

IACS Common Structural Rules for Double Hull Oil Tankers, January 2006

Background Document

SECTION 3 – RULE APPLICATION

NOTE:

- This TB is published to improve the transparency of CSRs and increase the understanding of CSRs in the industry.
- The content of the TB is not to be considered as requirements.
- This TB cannot be used to avoid any requirements in CSRs, and in cases where this TB deviates from the Rules, the Rules have precedence.
- This TB provides the background for the first version (January 2006) of the CSRs, and is not subject to maintenance.

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1 NOTATIONS

1.1 Notations

1.1.1 General

- 1.1.1.a Ships complying with the requirements of these Rules will have a notation, **CSR**, placed in the ships public class records to confirm this fact. To specify a ship to be designed and built in accordance with these Rules the notation **CSR** is to be included as part of the class notation. Mandatory or voluntary procedures which previously resulted in class notations that are made redundant by these Rules will no longer be applied to ships covered by the notation **CSR**. Additionally, current notations from the Classification Society(ies) that indicate compliance with specific guides or requirements that augment this standard will also be added to the ships public class records.
- 1.1.1.b Existing ships that are not constructed to meet the **CSR** requirements will use the existing Rules corresponding to the Classification Society with which the vessel is classed.

2 DOCUMENTATION, PLANS AND DATA REQUIREMENTS

2.1 Documentation and Data Requirements

2.1.1 Loading information

2.1.1.a The requirements are common to LR, ABS and DNV Rules.

2.1.2 Submission of calculation data and results

2.1.2.a Further detailed requirements for information to be submitted to support the calculations can be found in the relevant Sections of the Rules.

2.1.3 Use of computer software for rule calculations

2.1.3.a It should be noted that the Classification Societies do not approve software used for Rule calculations.

2.2 Submission of plans and supporting calculations

2.2.1 General

2.2.1.a The new requirement compared to existing Rules of LR, ABS and DNV is for provision of steel renewal thickness information on the plans submitted to the Classification Society. Note the need also to provide hull girder sectional properties as defined in *Section 12 of the Rules*. This is to enable the consistent application of the net thickness concept throughout the life of the ship.

2.2.2 Plans and supporting calculations

2.2.2.a Similar requirements for plans and supporting calculations to be submitted are found in the rules of LR, ABS and DNV. There is no change in the level of confidentiality which this information is currently afforded. The plans, documents and calculation data shall be submitted to the plan approval office designated to perform the plan approval.

2.2.2.b Although the Rules require submission of a docking plan, formal approval of blocking arrangements for supporting the ship's structure and loads experienced during dry docking will not be given.

2.2.3 Plans to be supplied onboard the ship

2.2.3.a One key requirement is for provision of steel renewal thickness information on the plans provided to the Shipowner for retention onboard the ship. Note the need also to provide sectional properties as defined in Section 12. This is to enable the consistent application of the net thickness concept throughout the life of the ship.

3 SCOPE OF APPROVAL

3.1 General

3.1.1 Rule application

- 3.1.1.a It is considered that for this topic, no information in addition to that shown in the Rules, is necessary to explain the background.

3.2 Classification

3.2.1 General

- 3.2.1.a This is a requirement common to the Rules of ABS, DNV and LR.

3.3 Requirements of National and International Regulations

3.3.1 Responsibility

- 3.3.1.a The responsibilities are clearly defined to describe the current position and to avoid any ambiguity.

3.3.2 Review procedure

- 3.3.2.a This is a requirement common to the Rules of ABS, DNV and LR.

4 EQUIVALENCE PROCEDURE

4.1 General

4.1.1 Rule applications

4.1.1.a It is considered that for this topic, no information in addition to that shown in the Rules, is necessary to explain the background.

4.1.2 Novel designs

4.1.2.a It is considered that for this topic, no information in addition to that shown in the Rules, is necessary to explain the background.

4.1.3 Alternative calculation methods

4.1.3.a It is considered that for this topic, no information in addition to that shown in the Rules, is necessary to explain the background.