# **Manoeuvring Performance of Controllable Pitch Propellers**

## **Object of Amendment**

Rules for the Survey and Construction of Steel Ships Parts B and D Rules for High Speed Craft Rules for the Survey and Construction of Inland Waterway Ships

#### Reason for Amendment

IACS Unified Requirements (UR) M25 specifies requirements related to astern power of the main prolusion, including ones for controllable pitch propellers. During a recent review of the UR, the IACS Machinery Panel identified the need for requirements related to the verification of the manoeuvring performance of controllable pitch propellers, and discussed the development of a new UR related to such verification.

As a result, requirements for testing the manouevring performance of controllable pitch propellers were developed and adopted as UR M83 in October 2023.

Accordingly, relevant requirements are amended based on UR M83.

## **Outline of the Amendment**

Specifies that testing requirements related to the manoeuvring performance of control systems of controllable pitch propellers intended for main propulsion are based on UR M83.

## **Effective Date and Application**

- (1) Rules for the Survey and Construction of Steel Ships Part B, Rules for High Speed Craft, Rules for the Survey and Construction of Inland Waterway Ships This amendment applies to ships that fall under the following:
  - (a) those for which the date of contract for construction is on or after 1 January 2025;
  - (b) those for which astern testing is carried out in accordance with UR Z18 on or after 1 January 2025.
- (2) Rules for the Survey and Construction of Steel Ships Part D

  This amendment applies to ships for which the date of contract for construction is on or after 1 January 2025.

ID: DD24-16

An asterisk (\*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

	Table (Mandeuvring Performance of Controllable Pitch	
Amended	Original	Remarks
RULES FOR THE SURVEY AND	RULES FOR THE SURVEY AND	
CONSTRUCTION OF STEEL SHIPS	CONSTRUCTION OF STEEL SHIPS	
Part B CLASS SURVEYS	Part B CLASS SURVEYS	
Chapter 2 CLASSIFICATION SURVEYS	Chapter 2 CLASSIFICATION SURVEYS	
2.3 Sea Trials and Stability Experiments	2.3 Sea Trials and Stability Experiments	
2.3.1 Sea Trials*	2.3.1 Sea Trials*	
1 In the Classification Survey of all ships, sea trials	1 In the Classification Survey of all ships, sea trials	
specified in following (1) to (13) are to be carried out in full	specified in following (1) to (13) are to be carried out in full	
load condition, in the calmest possible sea and weather	load condition, in the calmest possible sea and weather	
condition and in deep unrestricted water. However, where sea	condition and in deep unrestricted water. However, where sea	
trials cannot be carried out in full load condition, sea trials may	trials cannot be carried out in full load condition, sea trials may	
be carried out in an appropriate loaded condition. The noise	be carried out in an appropriate loaded condition. The noise	
measurements specified in (11) are to be carried out at either	measurements specified in (11) are to be carried out at either	
the full load condition or the ballast condition.	the full load condition or the ballast condition.	
((1) to (6) are omitted.)	((1) to (6) are omitted.)	
(7) Performance test of automatic and remote control	(7) Performance test of automatic and remote control	
systems for main propulsion machinery, controllable	systems for main propulsion machinery, controllable	
pitch propellers, boilers and electric generating sets	pitch propellers, boilers and electric generating sets	
The tests are to be carried out in accordance with the	The tests are to be carried out in accordance with the	
following (a) to (e). However, where these tests have	following (a) to (e). However, where these tests have	
been carried out when the ship was anchored or at	been carried out when the ship was anchored or at	
dockside, some of these tests may be dispensed with	dockside, some of these tests may be dispensed with	
at the sea trial.	at the sea trial.	
(a) The control systems for main propulsion	(a) The control systems for main propulsion	
machinery and controllable pitch propellers are to	machinery and controllable pitch propellers are to	

be subjected to the following i) to iv).  i) The main propulsion machinery or the controllable pitch propellers are to be subjected to starting tests, ahead-astern tests and running tests in the whole range of output, by means of the remote control devices in the main control station or the main control station on the bridge.  ii) In addition to output increase and decrease tests, the operation tests of the main propulsion machinery or the controllable pitch propellers using the bridge control devices are to be carried out. Where operation tests were carried out for the entire output range by the bridge control devices, consideration may be given to reduction of the test items with the exception of the	Driginal  be subjected to the following i) to iv).  i) The main propulsion machinery or the controllable pitch propellers are to be subjected to starting tests, ahead-astern tests and running tests in the whole range of output, by means of the remote control devices in the main control station or the main control station on the bridge.  ii) In addition to output increase and decrease tests, the operation tests of the main propulsion machinery or the controllable pitch propellers using the bridge control devices are to be carried out. Where operation tests were carried out for the entire output range by the bridge control devices, consideration may be given to reduction of the test items with the exception of the	Remarks
consideration may be given to reduction of	consideration may be given to reduction of	

Amended	Original	Remarks
control specified in iii), a demonstration that the main propulsion machinery or the controllable pitch propellers can be smoothly operated from the respective control stations is to be conducted.  (b) Notwithstanding (a) above, the control systems for controllable pitch propellers intended for main propulsion are to be in accordance with Annex 2.3.1-3 "Testing Procedures for Control Systems for Controllable Pitch Propellers Intended for Main Propulsion"  (c) (Omitted) (d) (Omitted) (e) (Omitted) (f) The "electric generating sets specified in 3.2.1-3, Part H" mentioned in (e) above, refer to the application of 6.2.11-1 and -3, Part H for the ships specified in 6.1.1, Part H.  ((8) to (13) are omitted.)	control specified in iii), a demonstration that the main propulsion machinery or the controllable pitch propellers can be smoothly operated from the respective control stations is to be conducted.  (Newly added)  (b) (Omitted) (c) (Omitted) (d) (Omitted) (e) The "electric generating sets specified in 3.2.1-3, Part H" mentioned in (d) above, refer to the application of 6.2.11-1 and -3, Part H for the ships specified in 6.1.1, Part H.  ((8) to (13) are omitted.)	Clarifies that the control systems for controllable pitch propellers intended for main propulsion are to be in accordance with Annex 2.3.1-3.

Amended  Amended	Original	Remarks
Annex 2.3.1-3 TESTING PROCEDURES FOR	(Newly added)	UR M83
CONTROL SYSTEMS FOR CONTROLLABLE		
PITCH PROPELLERS INTENDED FOR MAIN		
<b>PROPULSION</b>		
An1.1 General		
		UR M83
An1.1.1 Purpose		Para.1
The purpose of the tests required by this annex is to		
ascertain that the pitch control system of controllable pitch		
propellers for main propulsion is working correctly.		11D 1402
An112 Application		UR M83
An1.1.2 Application		Para.2
This annex applies to all new ships and to all		
replacements, modifications, repairs, or re-adjustments that may affect the pitch control or response characteristics for		
main propulsion.		
main propulsion.		
An1.2Tests		
		LID 1402
An1.2.1 Pitch Response Test		UR M83 Para.3.1
1 A full range of tests is to be carried out to get the pitch		rara.3.1
response and verify that it coincides with the combinator curve		
of the propeller. The combinator curve is the relationship		
between the propeller pitch setting and the propeller speed.		
2 The tests are to be carried out for at least three		
positions of the control lever in ahead and astern directions		
(e.g. dead slow ahead / astern, half ahead / astern and full		
te.g. ucau slow alleau / asterii, iian alleau / asterii and lun		

Amended-Original Requirements Comparison	Table (Manoeuvring Performance of Controllable Pitch	Propellers)
Amended	Original	Remarks
ahead / astern).		
3 The tests are to be carried out in normal and		Emergency operating
emergency operating conditions. In this context, "emergency		conditions are not
operation conditions" means operations from those locations		intended for operations
from where it is planned to operate the system in an		from the bridge but are
emergency.		intended for operations
		from the engine side
		during an emergency.
		However, emergency
		operations are to be
		carried out from the bridge when the local
		emergency operating
		control stations are
		additionally arranged on
		the bridge.
4 Tests that are not affected by the control position may		This intends that there is
be carried out from one control position only.		to be no differences in
		the power or functions of
		the propulsion system
		due to differences in
		operating location.
		UR M83
An1.2.2 Test of Fail-to-safe Characteristics		Para.3.2
1 A test of the fail-to-safe characteristics of the propeller		1 414.3.2
pitch control system is to be carried out to demonstrate that		
failures in the pitch command and control or feedback signals		
are alarmed and do not cause any change of thrust.		
2 Such failures are to be clearly identified and included		
in the test procedure.		
in the test procedure.	<u> </u>	<u> </u>

Amended	Original	Remarks
7 Infoliaca	Original	
An1.2.3 Test Procedure		UR M83 Para.3.3
		Para.3.3
The test procedure is to be prepared and proposed by		
the pitch control system manufacturer or integrator and		
approved by the Society.		
An1.3Records		UR M83
AHI. J Records		Para.4
1 The list of the parameters to be recorded during the		
pitch response test within this annex is to be established by the		
pitch control system manufacturer or integrator and approved		
by the Society.		
2 The parameters in 1 above are to include at least the		
following:		
(1) Position of the control handle;		
(2) Actual pitch indication (local indications and remote		
indications);		
(3) Rotational speed of the propeller;		
(4) Response time between the pitch change order		
(modification of the lever position) and the instant		
when the pitch and propeller speed have reached their		
final position;		
(5) Propelling thrust variation during the transfer of the		
control from one location to another.		
Common and addition to whomen		
An1.4Test Results		UR M83
		Para.5
1 It is to be verified that propelling thrust is not		
significantly altered under the following (1) and (2):		
(1) Transferring control from one location to another;		

(2) Failures in the pitch command and control or feedback signals.  2 The pitch response times measured during the test are not to exceed the maximum value to be defined by the pitch control system manufacturer or integrator.  EFFECTIVE DATE AND APPLICATION  1. The effective date of the amendments is 1 January 2025.  2. Notwithstanding the amendments to the Rules, the current requirements apply to ships for which the date of contract for construction* is before the effective date and astern testing is carried out in accordance with UR Z18 before the effective date.  * "contract for construction" is defined in the latest version of IACS Procedural Requirement (PR) No.29.  IACS PR No.29 (Rev. 0, July 2009)  1. The date of "contract for construction" of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (c. bull numbers) of all the vessels included in the contract to to be declared to the classification society by the party applying for the assignment of class to a newbuilding.  2. The date of "contract for construction" of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder. For the purpose of the Prospective owner and the shipbuilder. For the purpose of the Prospective owner and the shipbuilder. For the purpose of the Prospective owner and the shipbuilder. For the purpose of the Prospective owner and the shipbuilder. For the purpose of the Prospective owner and the shipbuilder. For the purpose of the Prospective owner and the shipbuilder. For the purpose of the Prospective owner and the shipbuilder. This date of "contract for construction" of a series of vessels in the date on which the contract to build the series is signed between the prospective owner and the shipbuilder. The intention as ultimately exercised, is the date on which the c		Amended-Original Requirements Comparison	Table (Manoeuvring Performance of Controllable Pitch	riopellers)
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effective date.  * "contract for construction" is defined in the latest version of IACS Procedural Requirement (PR) No.29.  IACS PR No.29 (Rev.0, July 2009)  1. The date of "contract for construction" of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of class to a newbuilding.  2. The date of "contract for construction" of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder.  For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a "series of vessels" if they are built to the same approved plans for classification proposes. However, vessels within a series may have design alterations from the original design provided:  (1) such alterations do not affect matters related to classification, or  (2) If the alterations are submitted to requirements, these alterations are to comply with the classification requirements in effect on the date on which the alterations are subject to classification requirements, these alterations are contracted between the prospective owner and the shipbuilder 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 approval.  The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.  3. If a contract for construction is later amended to include additional vessels or additional options, the date of "contract for construction" for such vessels is the date on which the amend	2.	Notwithstanding the amendments to the Rules, the cu	arrent requirements apply to ships for which the date of contract	
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IACS PR No.29 (Rev.0, July 2009)  1. The date of "contract for construction" of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of class to a newbuilding.  2. The date of "contract for construction" of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder.  For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a "series of vessels" if they are built to the same approved plans for classification purposes. However, vessels within a series may have design alterations from the original design provided:  (1) such alterations do not affect matters related to classification, or  (2) 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 submitted to the Society for approval.  The optional vessels will be considered part of the same series of vessels 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 vessels or additional options, the date of "contract for construction" for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a "new contract" to which 1. and 2. above apply.  If a contract for construction is later amended to include additional vessels or additional options, the date of "contract for construction is amended to change the ship type, the date of "cont		effective date.		
<ol> <li>The date of "contract for construction" of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of class to a newbuilding.</li> <li>The date of "contract for construction" of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder.         For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a "series of vessels" if they are built to the same approved plans for classification purposes. However, vessels within a series may have design alterations from the original design provided:</li></ol>		* "contract for construction" is defined in the latest	version of IACS Procedural Requirement (PR) No.29.	
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<ol> <li>The date of "contract for construction" of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder.</li> <li>For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a "series of vessels" if they are built to the same approved plans for classification purposes. However, vessels within a series may have design alterations from the original design provided:         <ol> <li>such alterations do not affect matters related to classification, or</li> <li>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 and the shipbuilder 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 approval.</li> <li>The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.</li> </ol> </li> <li>If a contract for construction is later amended to include additional vessels or additional options, the date of "contract for construction" for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a "new contract" to which 1. and 2. above apply.</li> </ol> <li>If a contract for construction is amended to change the ship type, the date of "contract for construction" of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.<td>1.</td><td>and the construction numbers (i.e. hull numbers) of all the vessels included in the</td><td>tract to build the vessel is signed between the prospective owner and the shipbuilder. This date e contract are to be declared to the classification society by the party applying for the assignment</td><td></td></li>	1.	and the construction numbers (i.e. hull numbers) of all the vessels included in the	tract to build the vessel is signed between the prospective owner and the shipbuilder. This date e contract are to be declared to the classification society by the party applying for the assignment	
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<ul> <li>(2) 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 and the shipbuilder 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 approval.</li> <li>The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.</li> <li>If a contract for construction is later amended to include additional vessels or additional options, the date of "contract for construction" for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a "new contract" to which 1. and 2. above apply.</li> <li>If a contract for construction is amended to change the ship type, the date of "contract for construction" of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.</li> </ul>				
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The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.  3. If a contract for construction is later amended to include additional vessels or additional options, the date of "contract for construction" for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a "new contract" to which 1. and 2. above apply.  4. If a contract for construction is amended to change the ship type, the date of "contract for construction" of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.  Note:		are contracted between the prospective owner and the shipbuilder or, in th		
<ol> <li>If a contract for construction is later amended to include additional vessels or additional options, the date of "contract for construction" for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a "new contract" to which 1. and 2. above apply.</li> <li>If a contract for construction is amended to change the ship type, the date of "contract for construction" of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.</li> </ol>			ontion is everyised not later than I wear offer the contract to build the series was signed	
<ul> <li>2. above apply.</li> <li>4. If a contract for construction is amended to change the ship type, the date of "contract for construction" of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.</li> <li>Note:</li> </ul>	3.	If a contract for construction is later amended to include additional vessels or a	dditional options, the date of "contract for construction" for such vessels is the date on which the	
4. If a contract for construction is amended to change the ship type, the date of "contract for construction" of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.  Note:			ipbuilder. The amendment to the contract is to be considered as a "new contract" to which 1. and	
	4.	If a contract for construction is amended to change the ship type, the date of "co	ontract for construction" of this modified vessel, or vessels, is the date on which revised contract	
This Procedural Requirement applies from 1 July 2009.	Note:			
1 11 / 11	This P	rocedural Requirement applies from 1 July 2009.		

Amended	Original	Remarks
RULES FOR THE SURVEY AND	RULES FOR THE SURVEY AND	
CONSTRUCTION OF STEEL SHIPS	CONSTRUCTION OF STEEL SHIPS	
Part D MACHINERY INSTALLATIONS	Part D MACHINERY INSTALLATIONS	
Chapter 18 AUTOMATIC AND REMOTE CONTROL	Chapter 18 AUTOMATIC AND REMOTE CONTROL	
18.3 Automatic and Remote Control of Main Propulsion Machinery or Controllable Pitch Propellers	18.3 Automatic and Remote Control of Main Propulsion Machinery or Controllable Pitch Propellers	
18.3.2 Remote Control Devices for Main Propulsion Machinery or Controllable Pitch Propellers*	18.3.2 Remote Control Devices for Main Propulsion Machinery or Controllable Pitch Propellers*	
1 General	1 General	
(Omitted)	(Omitted)	
2 Transfer of Control	2 Transfer of control	
Remote control devices for main propulsion machinery or	Remote control devices for main propulsion machinery or	
controllable pitch propellers are to comply with the following	controllable pitch propellers are to comply with the following	
requirements with respect to transfer of control:  (1) Each control station for main propulsion machinery or	requirements with respect to transfer of control:  (1) Each control station for main propulsion machinery or	
controllable pitch propellers is to be provided with	controllable pitch propellers is to be provided with	
means to indicate which of them is in control.	means to indicate which of them is in control.	
(2) Remote control of main propulsion machinery or	(2) Remote control of main propulsion machinery or	
controllable pitch propellers is to be only possible	controllable pitch propellers is to be only possible	
from one location at a time.	from one location at a time.	
(3) Transfer of control is to be only possible with orders	(3) Transfer of control is to be only possible with orders	
from the serving station and acknowledgement by the	from the serving station and acknowledgement by the	

Amended-Original Requirements Comparison	Table (Manoeuvring Performance of Controllable Pitch	Propellers)
Amended	Original	Remarks
receiving station except for the following cases:  (a) Transfer of control between a local control station for main propulsion machinery or controllable pitch propellers and the main control station or sub-control station; and  (b) Transfer of control during a stoppage condition of the main propulsion machinery.  (4) In cases where the main propulsion machinery or controllable pitch propellers is controlled from the navigation bridge or the main control station on bridge, the transfer of control is to be possible from a local control station for main propulsion machinery or controllable pitch propellers to the main control station or the sub-control station even if no order of the transfer of control from the navigation bridge or the main control station on bridge has been given.  (5) Means are to be provided to prevent the propelling thrust from being significantly altered when control is transferred from one location to another.	receiving station except for the following cases:  (a) Transfer of control between a local control station for main propulsion machinery or controllable pitch propellers and the main control station or sub-control station; and  (b) Transfer of control during a stoppage condition of the main propulsion machinery.  (4) In cases where the main propulsion machinery or controllable pitch propellers is controlled from the navigation bridge or the main control station on bridge, the transfer of control is to be possible from a local control station for main propulsion machinery or controllable pitch propellers to the main control station or the sub-control station even if no order of the transfer of control from the navigation bridge or the main control station on bridge has been given.  (5) Means are to be provided to prevent the propelling thrust from being significantly altered when control is transferred from one location to another, except for when the transfer of control is as described in (3)(a) and (4).  (-3 and -4 are omitted.)	Harmonisation with the SOLAS II-1/31.2.5 and 49.3
EFFECTIVE DATE A	AND APPLICATION	
<ol> <li>The effective date of the amendments is 1 January 202</li> <li>Notwithstanding the amendments to the Rules, the curfor construction is before the effective date.</li> </ol>		

Amended	Original	Remarks
RULES FOR HIGH SPEED CRAFT	RULES FOR HIGH SPEED CRAFT	
Part 2 CLASS SURVEYS	Part 2 CLASS SURVEYS	
Chapter 2 CLASSIFICATION SURVEYS	Chapter 2 CLASSIFICATION SURVEYS	
2.3 Sea Trials and Stability Experiments	2.3 Sea Trials and Stability Experiments	
<ul> <li>2.3.1 Sea Trials* <ol> <li>In the Classification Survey of all craft, sea trials specified in following (1) to (11) are to be carried out in a full load condition, at the calmest possible sea and weather conditions and in deep unrestricted water. However, where sea trials cannot be carried out in a full load condition, sea trials may be carried out in an appropriate loaded condition. <ol> <li>to (6) are omitted.)</li> <li>Performance test of automatic and remote control systems for main propulsion machinery or the controllable pitch propellers, boilers and electric generating sets. However, the control systems for controllable pitch propellers intended for main propulsion are to be in accordance with Annex 2.3.1-3 "Testing Procedures for Control Systems for Controllable Pitch Propellers Intended for Main Propulsion", Part B of the Rules for the Survey and Construction of Steel Ships.</li> </ol> </li> <li>(8) to (11) are omitted.)</li> </ol></li></ul>	<ul> <li>2.3.1 Sea Trials*</li> <li>1 In the Classification Survey of all craft, sea trials specified in following (1) to (11) are to be carried out in a full load condition, at the calmest possible sea and weather conditions and in deep unrestricted water. However, where sea trials cannot be carried out in a full load condition, sea trials may be carried out in an appropriate loaded condition. <ul> <li>((1) to (6) are omitted.)</li> <li>(7) Performance test of automatic and remote control systems for main propulsion machinery or the controllable pitch propellers, boilers and electric generating sets.</li> </ul> </li> <li>((8) to (11) are omitted.)</li> </ul>	

Amended	Original	Remarks
RULES FOR THE SURVEY AND	RULES FOR THE SURVEY AND	
CONSTRUCTION OF	CONSTRUCTION OF	
INLAND WATERWAY SHIPS	INLAND WATERWAY SHIPS	
Part 2 CLASS SURVEYS	Part 2 CLASS SURVEYS	
Chapter 2 CLASSIFICATION SURVEYS	Chapter 2 CLASSIFICATION SURVEYS	
2.3 River Trials and Stability Experiments	2.3 River Trials and Stability Experiments	
2.3.1 River Trials*	2.3.1 River Trials*	
1 In the Classification Survey of all ships, river trials	1 In the Classification Survey of all ships, river trials	
specified in following (1) to (9) are to be carried out in full	specified in following (1) to (9) are to be carried out in full	
load condition, in the calmest possible water and weather	load condition, in the calmest possible water and weather	
condition and in deep unrestricted water. However, where	condition and in deep unrestricted water. However, where	
river trials cannot be carried out in full load condition, river	river trials cannot be carried out in full load condition, river	
trials may be carried out in an appropriate loaded condition.	trials may be carried out in an appropriate loaded condition.	
((1) to (4) are omitted.)	((1) to (4) are omitted.)	
(5) Performance test of automatic and remote control	(5) Performance test of automatic and remote control	
systems for main propulsion machinery, controllable	systems for main propulsion machinery, controllable	
pitch propellers, boilers and electric generating sets.	pitch propellers, boilers and electric generating sets	
However, the control systems for controllable pitch		
propellers intended for main propulsion are to be in		
accordance with Annex 2.3.1-3 "Testing Procedures		
for Control Systems for Controllable Pitch Propellers		
Intended for Main Propulsion", Part B of the Rules		

Amended	Original	Remarks	
for the Survey and Construction of Steel Ships.			
((6) to (9) are omitted.)	((6) to (9) are omitted.)		
(-2 to -5 are omitted.)	(-2 to -5 are omitted.)		
EFFECTIVE DATE A	AND APPLICATION		
1. The effective date of the amendments is 1 January 20	025.		
•	arrent requirements apply to ships for which the date of contract		
	ern testing is carried out in accordance with UR Z18 before the		
effective date.			
* "contract for construction" is defined in the latest	version of IACS Procedural Requirement (PR) No.29.		
IACS PR No.29 (	Rev.0, July 2009)		
	the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of		
2. The date of "contract for construction" of a series of vessels, including specified			
For the purpose of this Procedural Requirement, vessels built under a single cont	build the series is signed between the prospective owner and the shipbuilder.  For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a "series of vessels" if they are built to the same approved		
plans for classification purposes. However, vessels within a series may have design (1) such alterations do not affect matters related to classification, or			
(2) If the alterations are subject to classification requirements, these alterations are contracted between the prospective owner and the shipbuilder or, in the date on which the alterations are submitted to the Society for approval.	(2) 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 and the shipbuilder 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 approval		
The optional vessels will be considered part of the same series of vessels if the optional transfer of the same series of vessels if the optional vessels or additional vessels			
amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a "new contract" to which 1. and 2. above apply.			
<ol> <li>If a contract for construction is amended to change the ship type, the date of "contract for construction" of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.</li> </ol>			
Note:			
This Procedural Requirement applies from 1 July 2009.			