

CCS Circular

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To: relevant departments of CCS Headquarters, Shanghai Rules & Research Institute, Plan Approval Centers, CCS branches/offices, related shipyards, products manufacturers, designers, ship management companies, and ship owners

Notice on Implementation of IACS UR S files newly revised

1. Background

With the application of the IACS Common Structural Rules for Bulk Carriers and Double Hull Oil Tankers, IACS has revised all the UR S files so as to ascertain whether or not they are applicable to ships covered by CSR.

The latest revision of UR S files should be incorporated into the rules/procedures of each IACS member by 23 May 2011.

Ships classed with CCS should comply with the requirements of the revised UR S files as they are part of classification requirements.

2. Technical Notes

The revised UR S files are summarized in the following table. UR S25 and UR S32 are deleted. UR S3 and UR S10 are still applicable to CSR tankers. The requirements of UR S27 concerning air pipes and ventilators are still applicable to CSR bulkers. The rest of the UR S series are no longer applicable to CSR ships.

UR S		title	History of Decisions Made	Applicable for CSR Bulker	Applicable for CSR Tanker
S 1	Rev.7	Requirements for Loading Conditions, Loading Manuals and	the requirements of UR S1 apply to CSR ships in addition to those of the CSR	Yes	Yes

		Loading Instruments			
S 1A	Rev.6	Additional Requirements for Loading Conditions, Loading Manuals and Loading Instruments for Bulk Carriers, Ore Carriers and Combination Carriers	for CSR bulk carriers the requirements of UR S1A are superseded by those of the CSR . UR S1A is not applicable for CSR oil tankers.	No	No
S 2	Rev.1	Definition of ship's length L and of block coefficient C _b	for CSR ships the requirements of UR S2 are superseded by those of CSR	No	No
S 3	Rev.1	Strength of end bulkheads of superstructures and deckhouses	for CSR bulk carriers the requirements of UR S3 are superseded by those of the CSR. for CSR oil tankers the requirements of UR S3 are still valid.	No	Yes
S 4	Rev.3	Criteria for the use of high tensile steel with minimum yield stress of 315 N/mm ² , 355 N/mm ² and 390 N/mm ²	for CSR ships the requirements of UR S4 are superseded by those of the CSR	No	No
S 5	Rev.1	Calculation of midship section moduli for conventional ship for ship's scantlings	for CSR ships the requirements of UR S5 are superseded by those of the CSR	No	No
S 6	Rev.6	Requirements for Loading Conditions, Loading Manuals and Loading Instruments	for CSR ships the requirements of UR S6 are superseded by those of the CSR	No	No
S 7	Rev.4	Minimum longitudinal strength standards	for CSR ships the requirements of UR S7 are superseded by those of the CSR	No	No
S 10	Rev.2	Rudders, sole pieces and rudder horns	for CSR bulk carriers the requirements of UR S10 are superseded by those of the CSR. for CSR oil tankers the requirements of UR S10 are still valid. (correct a couple of equations in S10.1 and S10.3)	No	Yes

S 11	Rev.6	Longitudinal Strength Standard	for CSR ships the requirements of UR S11 are superseded by those of the CSR	No	No
S 12	Rev.5	Side Structures in Single Side Skin Bulk Carriers	for CSR bulk carriers the requirements of UR S12 are superseded by those of the CSR and therefore do not apply. UR S12 is not applicable for CSR oil tankers.	No	No
S 13	Rev.2	Strength of bottom forward in oil tankers	for CSR oil tankers the requirements of UR S13 are superseded by those of the CSR and therefore do not apply. UR S13 is not applicable for CSR bulk carriers.	No	No
S 14	Rev.3	Testing Procedures of Watertight Compartments	for CSR ships the requirements of UR S14 are superseded by those of the CSR	No	No
S 17	Rev.8	Longitudinal Strength of Hull Girder in flooded condition for Bulk Carriers	for CSR bulk carriers the requirements of UR S17 are superseded by those of the CSR and therefore do not apply. UR S17 is not applicable for CSR oil tankers.	No	No
S 18	Rev.8	Evaluation of Scantlings of Corrugated Transverse Watertight Bulkheads in Bulk Carriers Considering Hold Flooding	for CSR bulk carriers the requirements of UR S18 are superseded by those of the CSR and therefore do not apply. UR S18 is not applicable for CSR oil tankers.	No	No
S 20	Rev.5	Evaluation of Allowable Hold Loading for Bulk Carriers Considering Hold Flooding	for CSR bulk carriers the requirements of UR S20 are superseded by those of the CSR and therefore do not apply. UR S20 is not applicable for CSR oil tankers.	No	No
S 21	Rev.5	Evaluation of	for CSR bulk carriers the	No	No

		Scantlings of Hatch Covers and Hatch Coamings of Cargo Holds of Bulk Carriers, Ore Carriers and Combination Carriers	requirements of UR S21 are superseded by those of the CSR and therefore do not apply. UR S21 is not applicable for CSR oil tankers.		
S 25	deleted	Harmonised Notations and Corresponding Design Loading Conditions for Bulk Carriers	as UR S25 is currently only applicable for CSR bulk carriers and since the requirements are replaced by those of the CSR, UR S25 may be withdrawn.		
S 26	Rev.4	Strength and Securing of Small Hatches on the Exposed Fore Deck	for CSR ships the requirements of UR S26 are superseded by those of the CSR	No	No
S 27	Rev.5	Strength Requirements for Fore Deck Fittings and Equipment	for CSR oil tankers the requirements of UR S27 are superseded by those of the CSR and therefore do not apply. For CSR bulk carriers the requirements of UR S27 concerning air pipes and ventilators still apply, but those for windlasses are superseded by the CSR and do not apply.	Yes	No
S 28	Rev.3	Requirements for the Fitting of a Forecastle for Bulk Carriers, Ore Carriers and Combination Carriers	for CSR bulk carriers the requirements of UR S28 are superseded by those of the CSR and therefore do not apply. UR S28 is not applicable for CSR oil tankers.	No	No
S 32	deleted	Local Scantlings of Double Side Skin Structure of Bulk Carriers	UR S32 was never issued and may be withdrawn.		

The structural requirements for CSR ships and non-CSR ships are respectively included in part 9/10 and part 2 of CCS “Rules for classification of Sea-going steel ships”. As no

technical modifications are made in this UR S files revision except for the deletion of UR S25, all the others have been incorporated into the current CCS rules.

For Non-CSR bulkers, the technical requirements and harmonised notations of the previous S25 are kept in chapter 8 section 12 of the Rules for classification of Sea-going steel ships except that “(homogeneous mass/hold cubic capacity, minimum 1.0t/m³)” in paragraph 8.12.5.1(2) replaced by “(homogeneous mass/hold cubic capacity, minimum 0.86t/m³)”

3. Requirements for Survey of Ship in-Service

Surveyors conducting ship in-service inspection should note that this Circular should prevail in case of discrepancy between current Instructions to Surveyors and this Circular with regard to applicable ship types.

4. Notes

This Circular is available on www.ccs.org.cn and should be forwarded by each branch and plan approval center to relevant shipyards, product manufacturers, ship owners and designers within its business area.

The latest revision of IACS UR S files can be downloaded from IACS (<http://www.iacs.org.uk>) or CCS (<http://www.ccs.org.cn/gb/IACSInfo.htm>) websites.

Please feel free to contact Technical Management Department of CCS for any inquiry.

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