RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER **No. 322-04-1570c** dated 27.05.2021

Re:

amendments to the Guidelines on Technical Supervision of Ships under Construction, 2021, ND No. 2-030101-042-E in connection with implementation of new revision of IACS Unified Requirement (UR) Z 23 (Rev.7 Oct 2020)

Item(s) of supervision:

ships under construction

Entry-into-force date: ~~Valid till:~~ ~~Validity period extended till:~~
01.07.2021

~~Cancels / amends / adds Circular Letter No.~~ ~~dated~~

Number of pages: 1 + 5

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to the Guidelines on Technical Supervision of Ships under Construction

Director General Konstantin G. Palnikov

Text of CL:

We hereby inform that the Guidelines on Technical Supervision of Ships under Construction shall be amended as specified in the Appendices to the Circular Letter.

It is necessary to do the following:

1. Bring the content of the Circular Letter to the notice of the RS surveyors and interested organizations in the area of the RS Branch Offices' activity.

2. Apply the provisions of the Circular Letter when performing technical supervision during construction of ships contracted for construction on or after 01.07.2021.

List of the amended and/or introduced paras/chapters/sections:

Table 2.5.1, paras 2.7.4, 2.7.4.1, 2.7.4.2, 2.7.6, 2.10.3.5.1, 2.11.3.1.1.9.1, 2.12.11, Appendix 8 to Section 2

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Appendix 1 to Circular Letter
No. 322-04-1570c dated 27.05.2021

Information on amendments introduced by the Circular Letter
(for inclusion in the Revision History to the RS Publication)

Nos.	Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
1	Table 2.5.1	In paras 1.3c, 1.4 and 1.5 the reference to IACS Unified Requirement (UR) W33 has been introduced, reference to IACS Recommendation No. 20 has been deleted. New para 8.6 has been introduced containing requirements for survey of watertight cable transit seal systems	322-04-1570c of 27.05.2021	01.07.2021
2	Para 2.7.4	The recognized standard has been specified	322-04-1570c of 27.05.2021	01.07.2021
3	Paras 2.7.4.1 and 2.7.4.2	New paras have been introduced containing conditions for recognition of fabrication standard by classification society	322-04-1570c of 27.05.2021	01.07.2021
4	Para 2.7.6	Footnote has been introduced containing interpretation of the definition "Series ship production"	322-04-1570c of 27.05.2021	01.07.2021
5	Para 2.10.3.5.1	New para has been introduced containing requirements for supplementing the Ship Construction File (SCF) by the Cable Transit Seal Systems Register	322-04-1570c of 27.05.2021	01.07.2021
6	Para 2.11.3.1.1.9.1	New para has been introduced containing requirements for supplementing the Ship Construction File (SCF) by the Cable Transit Seal Systems Register	322-04-1570c of 27.05.2021	01.07.2021
7	Para 2.12.11	New para has been introduced containing requirements for watertight cable transit seal systems and their survey	322-04-1570c of 27.05.2021	01.07.2021
8	Section 2, Appendix 8	New Appendix has been introduced containing recommendatory sample of the Cable Transit Seal System Register	322-04-1570c of 27.05.2021	01.07.2021

Appendix 2 to Circular Letter
No. 322-04-1570c dated 27.05.2021

GUIDELINES ON TECHNICAL SUPERVISION OF SHIPS UNDER CONSTRUCTION, 2021,

ND No. 2-030101-042-E

2 HULL

1 **Table 2.5.1. Paras 1.3c, 1.4** and **1.5**. In the column "Reference", the reference to IACS Unified Requirement (UR) W33 is introduced and the reference to IACS Recommendation No. 20 is deleted.

New para 8.6 is introduced reading as follows:

8.6	watertight cable transit seal systems	compliance with approved drawings, visual examination of fitting, check alignment and securing	patrol of the process and witness of the completed item		Reg. II-1/13 and 13-1 SOLAS-74, as amended, 2.12.11 of these Guidelines	shipbuilder's inspection records, manufacturer's specification	Cable Transit Seal Systems Register	verify that correct welding and fit up requirements, including as specified in reference 1, 2.4 and 2.5 of the Table have been adopted verify watertight cable transit seal systems are type approved verify the format and content of the Register	

2 **Para 2.7.4** is replaced by the following text:

"**2.7.4** Shipbuilding quality standards for the hull structure during new construction shall be reviewed and agreed during the kick-off meeting. Structural fabrication shall be carried out in accordance with IACS Recommendation No. 47 "Shipbuilding and Repair Quality Standard" (refer to Appendix 1 to the Section), or another recognized fabrication standard (RFS) which has been agreed with RS prior to the commencement of fabrication. The work shall be carried out in accordance with the RS rules and under technical supervision of the Register.

The Register may accept a RFS as an alternative to IACS Recommendation No. 47, provided the requirements of 2.7.4.1 or 2.7.4.2 are met, as applicable.".

3 **New paras 2.7.4.1** and **2.7.4.2** are introduced reading as follows:

"**2.7.4.1** Where a RFS is well established and has well documented history (3 or more years prior to the new ship contract) of successful application to similar designs as the new ship and that history is for the same shipyard as the new ship. Then the shipyard shall create a summary document referencing the RFS to be used in construction and highlighting any limitations to usage of the selected RFS. This summary document shall be included with the Record (Minutes) of kick-off meeting (form 322-01) for the ship.

The summary document shall also be included in the Ship Construction File (SCF) (for tankers and bulk carriers subject to SOLAS Chapter II-1 Part A-1 Regulation 3-10 per para 11, Table 2.11.3.1.2, Tier II), as applicable.

2.7.4.2 Where a RFS is new or revised or otherwise not as per 2.7.4.1, the following steps shall be carried out:

.1 the tolerances and fabrications standards of the RFS shall be compared with those of IACS Recommendation No. 47. Any that are less stringent than those of IACS Recommendation No. 47 shall be identified;

.2 the tolerances and fabrication standards of the RFS identified in 2.7.4.2.1 shall be assessed to determine the acceptability for use and/or any restrictions for usage for the subject (or proposed) design. Details of how the acceptability for use and/or restrictions shall be recorded; and

.3 a summary document including the outcomes of 2.7.4.2.1 and 2.7.4.2.2 shall be compiled. This document shall also include a reference to the RFS, details of the tolerance and fabrication standards not analyzed as part of 2.7.4.2.2 and any limitations to the usage of the RFS.

The summary document shall be included with the Record (Minutes) of the kick-off meeting (form 322-01) of the ship. The summary document shall also be included in the SCF (for tankers and bulk carriers subject to SOLAS Chapter II-1 Part A-1 Regulation 3-10 per para 11, Table 2.11.3.1.2, Tier II) as applicable.".

4 **Para 2.7.6** is replaced by the following text:

"**2.7.6** In the event of series ship production[1], the requirement for a kick-off meeting in 2.7.1 may be waived for the second and subsequent ships provided that no changes to the specific activities agreed in the kick-off meeting for the first ship are introduced. Any changes of decisions taken during the kick-off meeting shall be agreed and documented.".

[1] Series ship production means ships in the series subsequent to the first one (prototype), i.e. sister ships built in the same shipyard.

5 **New para 2.10.3.5.1** is introduced reading as follows:

"**.5.1** a Cable Transit Seal Systems Register prepared by the shipyard. The Register can be in either a hard copy or digitized media. The recommendatory sample of the Register is given in Appendix 8.

The Register shall include:

information on marking/identification system of cable transits;

reference to the accompanying documentation, namely:

.1 manufacturer manuals for each type of cable transit installed,

.2 Type Approval Certificate (CTO) for each type of transit system, as applicable (refer to 2.12.11.4),

.3 applicable installation drawings;

sections to record condition of each installed cable transit documenting the result after completion of all works and final inspection in the shipyard.

The Register shall also include sections to record any inspection, modification, repair or maintenance of cable transits.".

6 **New para 2.11.3.1.1.9.1** is introduced reading as follows:

"**.9.1** Cable Transit Seal Systems Register prepared by the shipyard. Requirements for the Register contents are specified in 2.10.3.5.1;".

7 New **para 2.12.11** is introduced reading as follows:

"**2.12.11 Watertight cable transit seal systems (item 8.6).**

2.12.11.1 During kick-off meeting with the shipyard, it shall be agreed on which stages of hull construction the completed items shall be submitted and indicate the agreed method of submission (as part of sections/blocks or during structure final verification after completion of all welding and heating works (if provided) or individual submission as per the List) in the column "RS proposals".

2.12.11.2 Watertightness of the cable transit installation through the hull structure shall be tested in scope as per item 5 of Table 2.5.1 considering 2.12.6.

2.12.11.3 Watertightness of the cable transit seal shall be tested in accordance with Appendix 2 to Section 10 in scope specified in 10.3.3.

2.12.11.4 The cable transit seal systems installed in "A" or "B" class watertight bulkheads/decks shall be accompanied by the documents confirming approval by the classification society (Type Approval Certificate (CTO), Type Approval Certificate for Fire-Proof Division (СТПК)) and compliance of systems with the requirements of the Rules for the Classification and Construction as well as IMO instruments on fire safety and integrity of protected structure (SOLAS-74 Regulation II-2/9.3.1, Part 3 of the International Code for Application of fire test procedures, 2010 (FTP Code)). Herewith, the certificate shall confirm the item tightness testing within the scope of the fire tests conducted.

The surveyor carrying out survey of completed cable transit seal system installation in the "A" or "B" class bulkheads/decks shall make sure in the availability of the relevant accompanying documents.".

8 **Section 2**. **New Appendix 8** is introduced reading as follows:

"*APPENDIX 8*

RECOMMENDATORY SAMPLE — CABLE TRANSIT SEAL SYSTEM REGISTER

Название судна/Name of ship:	
ИМО/IMO №:	
Место/Place:	
Дата/Date:	

Проверено/Inspected by:	

Проходы/Transits	4
Всего вырезов/Total openings	4

ПРОХОД / TRANSIT			Проверяемая сторона Inspected side		МАРКА/BRAND	КОРПУС/FRAME		Типовое одобрение/Type approved	Состояние (хорошее, удовлетворительное, плохое)/ Condition (Good, Fair, Poor)	Проверено/Inspected	Ремонт выполнен/Repaired	Изменено/Modified	Техническое обслуживание выполнено/Maintained	ПРИМЕЧАНИЯ/ NOTES C = Compound (not known brand)/ уплотнитель (марка неизвестна) R = Smith blocks/блоки Смита B = MCT Williams/многокабельные проходы (МКП) Вильямс H = Heavy corrosion/ сильная коррозия N = Nelson, Terasaki/ (МКП) Терасаки MB = Mixed brands/ разные марки MM = Mixed modulus sizes/разные размеры модуля NVD = No Visible Defects/без видимых дефектов CPA = Checkpoints rectangular frame/ контрольная точка на прямоугольном корпусе CPB = Checkpoints round frames/контрольная точка на круглом корпусе	Проверено/Checked by	ДАТА/ DATE
Номер чертежа/ Drawing number	Идентификационный номер/ID	Расположение/ Location	Лицевая /F	Обратная/B		Тип/Type	Номер выреза/ Opening number									
GIA-07-1047-000-883	TT-MCT-011				C	d = 50	x							NVD	PTO	26/02/2015
GIA-07-1047-000-883	TT-MCT-012				C	450 x 200	x							NVD	PTO	26/02/2015
GIA-07-1047-000-883	TT-MCT-013				C	550 x 200	x							NVD	PTO	26/02/2015
GIA-07-1047-000-883	TT-MCT-014				C	750 x 200	x							Open, drilled hole not closed	PTO	26/02/2015

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