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MARITIME SAFETY COMMITTEE  
84th session  
Agenda item 11

MSC 84/11/6  
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## SHIP DESIGN AND EQUIPMENT

### Performance standard for protective coatings (resolution MSC.215(82))

Submitted by the International Association of Classification Societies (IACS)

#### SUMMARY

<i>Executive summary:</i>	As noted in the report of DE 51, this document provides at annex IACS Unified Interpretation SC 222, which clarifies how IACS Members will uniformly interpret the provisions of the Performance standards for protective coatings, adopted by resolution MSC.215(82), in relation to salt measurement and stripe coatings.
<i>Strategic direction:</i>	2
<i>High-level action:</i>	2.1.1
<i>Planned output:</i>	2.1.1.5
<i>Action to be taken:</i>	Paragraph 5
<i>Related documents:</i>	MSC 84/11 and resolution MSC.215(82)

1 This document is submitted in accordance with paragraph 4.10.5 of the Guidelines on the organization and method of work of the Committees and their subsidiary bodies (MSC-MEPC.1/Circ.1) and provides comments on document MSC 84/11 (Secretariat) on urgent matters emanating from the fifty-first session of the Sub-Committee.

2 Provided at annex to document DE 51/14/1 (BIMCO, CEFIC, ICS, OCIMF, INTERCARGO, INTERTANKO and IACS) were industry-developed guidelines for the implementation of the Performance standards for protective coatings (PSPC) adopted by resolution MSC.215(82). However, this document also sought clarification on two important issues – salt measurement and stripe coatings.

3 As it was not possible for the Working Group on Protective Coatings to provide clarification on the current wording in the resolution regarding these two issues, paragraph 14.17 of document DE 51/28 reports that:

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“... the Sub-Committee noted that it was the intention of the IACS members to apply the following interpretations after resolution MSC.215(82) enters into force on 1 July 2008:

.1 *Stripe coat*

Stripe coats should be applied as a coherent film showing good film formation and no visible defects. The application method employed should ensure that all areas that require stripe coating are properly coated by brush or roller.

.2 *Salt measurement*

The conductivity of soluble salts is measured in accordance with ISO 8502-6 and ISO 8502-9, and compared with the conductivity of 50 mg/m<sup>2</sup> NaCl. If the measured conductivity is less than or equal to 50 mg/m<sup>2</sup>, then it is acceptable,

and further noted that IACS would develop a unified interpretation and submit it to IMO for consideration.”

4 Noting this undertaking, the imminent entry into force of these Performance standards and the desirability of their global and consistent implementation, IACS members have agreed to implement in a uniform manner on behalf of Administrations, unless indicated otherwise, the Unified Interpretation attached at annex to this document.

**Action requested of the Sub-Committee**

5 Being aware of the usual procedure whereby IACS Unified Interpretations are considered by the relevant sub-committee under a continuous work programme item, but recognizing the imminent entry into force of these Performance standards; in this instance, the Committee is invited to consider the IACS Unified Interpretation SC 222 provided in the annex and take action as it deems appropriate.

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# SC 222

(March  
2008)

## Stripe coats and salt measurement

Resolution MSC.215(82) Performance standard for protective coatings for dedicated seawater ballast tanks in all types of ships and double-side skin spaces of bulk carriers

Table 1 – Basic coating system requirements for dedicated seawater ballast tanks of all type of ships and double-side skin spaces of bulk carriers of 150 m and upwards

	<i>Characteristic/ Reference standards</i>	<i>Requirement</i>
<b>1 Design of coating system</b>		
.4	Job specification	... Stripe coats shall be applied by brush or roller. Roller to be used for scallops, ratholes, etc., only. ...

### Interpretation:

Stripe coats should be applied as a coherent film showing good film formation and no visible defects. The application method employed should ensure that all areas that require stripe coating are properly coated by brush or roller.

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Table 1 – Basic coating system requirements for dedicated seawater ballast tanks of all type of ships and double-side skin spaces of bulk carriers of 150 m and upwards

	<i>Characteristic/ Reference standards</i>	<i>Requirement</i>
<b>2 PSP (Primary surface preparation)</b>		
.2	Water soluble salt limit equivalent to NaCl <sup>8)</sup>	= 50 mg/m <sup>2</sup> of sodium chloride.
<b>3 Secondary surface preparation</b>		
.6	Water soluble salts limit equivalent to NaCl after blasting/grinding <sup>8)</sup>	= 50 mg/m <sup>2</sup> of sodium chloride

<sup>8)</sup> Conductivity measured in accordance with ISO 8502-9:1998. Preparation of steel substrate before application of paints and related products – Test for the assessment of surface cleanliness.

### Interpretation:

The conductivity of soluble salts is measured in accordance with ISO 8502-6 and ISO 8502-9, and compared with the conductivity of 50 mg/m<sup>2</sup> NaCl. If the measured conductivity is less than or equal to, then it is acceptable.

Note:

This UI is to be implemented by IACS Members and Associates for ships subject to SOLAS Chapter II-1, Part A-1, Reg.3-2, as adopted by resolution MSC.216(82).

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