

# Review of the Scope of Preventive Machinery Maintenance Systems

## Object of Amendment

Rules for Preventive Machinery Maintenance Systems

## Reason for Amendment

The Rules for Preventive Machinery Maintenance Systems (hereinafter referred to as the “Rules”) was established in 1995 to specify requirements related to assigning the installations character “PMM” to ships that conduct condition monitoring and maintenance. The Rules stipulates that condition monitoring and diagnostic systems be organically integrated with preventive maintenance management systems for the preventive maintenance of machinery. The Rules was developed not only in consideration of the technology prevalent at the time but also in consideration of technological progress expected in the near future; moreover, the Rules assumes preventive maintenance plans will be automatically updated based on information obtained from condition monitoring and diagnosis results.

In common practice, though, the condition monitoring and diagnostic systems used with preventive maintenance systems are often developed separately and independently of said maintenance systems, and they are not necessarily organically integrated. For this reason, the Society decided to review the Rules and amend relevant requirements accordingly.

## Outline of the Amendment

Revise relevant requirements to remove wording specifying condition monitoring and diagnostic systems are to be organically integrated with preventive maintenance management systems.

## Effective Date and application

Effective date of this amendment is 1 July 2025.

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

ID:DD24-31

**Amended-Original Requirements Comparison Table (Review of the Scope of Preventive Machinery Maintenance Systems)**

Amended	Original	Remarks
<p align="center"><b>RULES FOR PREVENTIVE MACHINERY MAINTENANCE SYSTEMS</b></p> <p align="center"><b>Chapter 1 GENERAL</b></p> <p><b>1.1 General</b></p> <p><b>1.1.1 Scope</b>                      The Rules for Preventive Machinery Maintenance Systems (hereinafter referred to as “the Rules”) apply to all systems provided for preventive maintenance of machinery, <u>using</u> condition monitoring and diagnostic systems <u>and</u> maintenance management systems for main propulsion machinery, etc. (hereinafter referred to as the “preventive machinery maintenance systems”) of ships classified or intended to be classified by the NIPPON KAIJI KYOKAI (hereinafter referred to as “the Society”) and intended to comply with <b>Chapter 3 of the Regulations for the Classification and Registry of Ships.</b></p> <p align="center"><b>Chapter 2 SURVEYS</b></p> <p><b>2.2 Registration Surveys</b></p> <p><b>2.2.3 Sea Trials*</b>                      2 Preventive maintenance management systems are to be inspected and tested in accordance with those test procedures submitted in advance to confirm that they function satisfactorily.</p>	<p align="center"><b>RULES FOR PREVENTIVE MACHINERY MAINTENANCE SYSTEMS</b></p> <p align="center"><b>Chapter 1 GENERAL</b></p> <p><b>1.1 General</b></p> <p><b>1.1.1 Scope</b>                      The Rules for Preventive Machinery Maintenance Systems (hereinafter referred to as “the Rules”) apply to all systems provided for preventive maintenance of machinery, <u>organically integrating</u> condition monitoring and diagnostic systems <u>as well as</u> maintenance management systems for main propulsion machinery, etc. (hereinafter referred to as the “preventive machinery maintenance systems”) of ships classified or intended to be classified by the NIPPON KAIJI KYOKAI (hereinafter referred to as “the Society”) and intended to comply with <b>Chapter 3 of the Regulations for the Classification and Registry of Ships.</b></p> <p align="center"><b>Chapter 2 SURVEYS</b></p> <p><b>2.2 Registration Surveys</b></p> <p><b>2.2.3 Sea Trials*</b>                      2 Preventive maintenance management systems are to be inspected and tested in accordance with those test procedures submitted in advance to confirm that they function satisfactorily. <u>Such test procedures are to at least</u></p>	<p>Review according to current trend</p> <p>The description of tests based on "organically integrating" in 1.1.1 was deleted.</p>

**Amended-Original Requirements Comparison Table (Review of the Scope of Preventive Machinery Maintenance Systems)**

Amended	Original	Remarks
	<u>include tests to confirm that such preventive maintenance management systems are capable of functioning as planned based on data received from condition monitoring and diagnostic systems.</u>	
EFFECTIVE DATE AND APPLICATION		
<p>1. The effective date of the amendments is 1 July 2025.</p>		

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