

Defining a Comprehensive Asset Integrity Management System

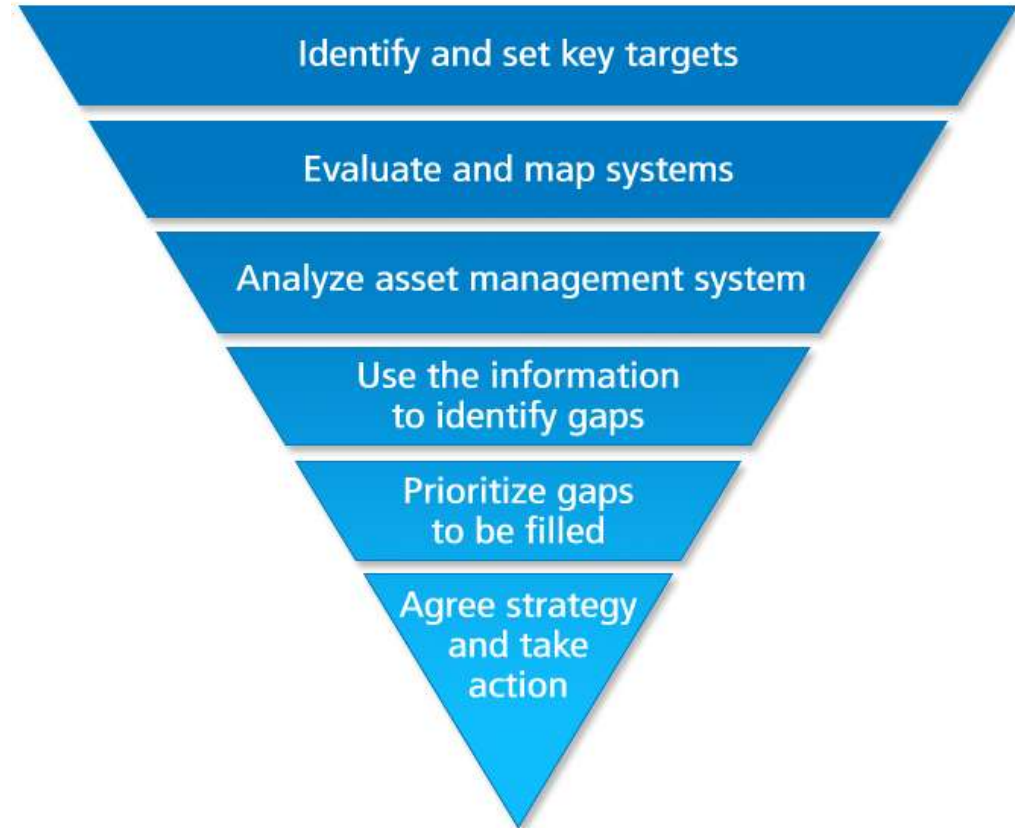
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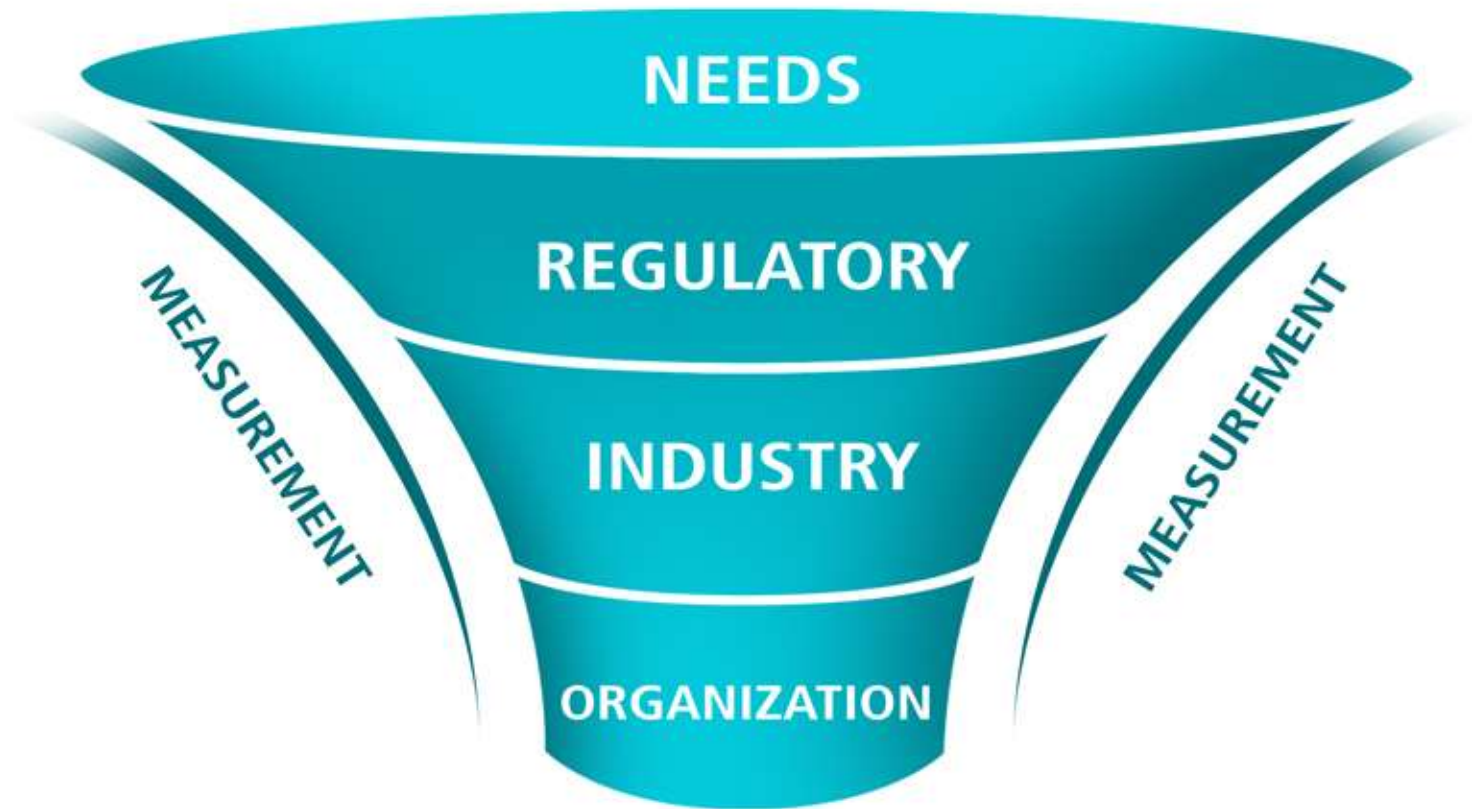


Assessing Your Asset Management System

- Gap Analysis
 - Identify your needs
 - Assess your options



Defining Your Needs



MLC Requirements

- Employment agreements
- Wages
- Work and rest hours
- Leave entitlements
- Repatriation
- Manning levels
- Training
- Medical care
- Health and safety protection



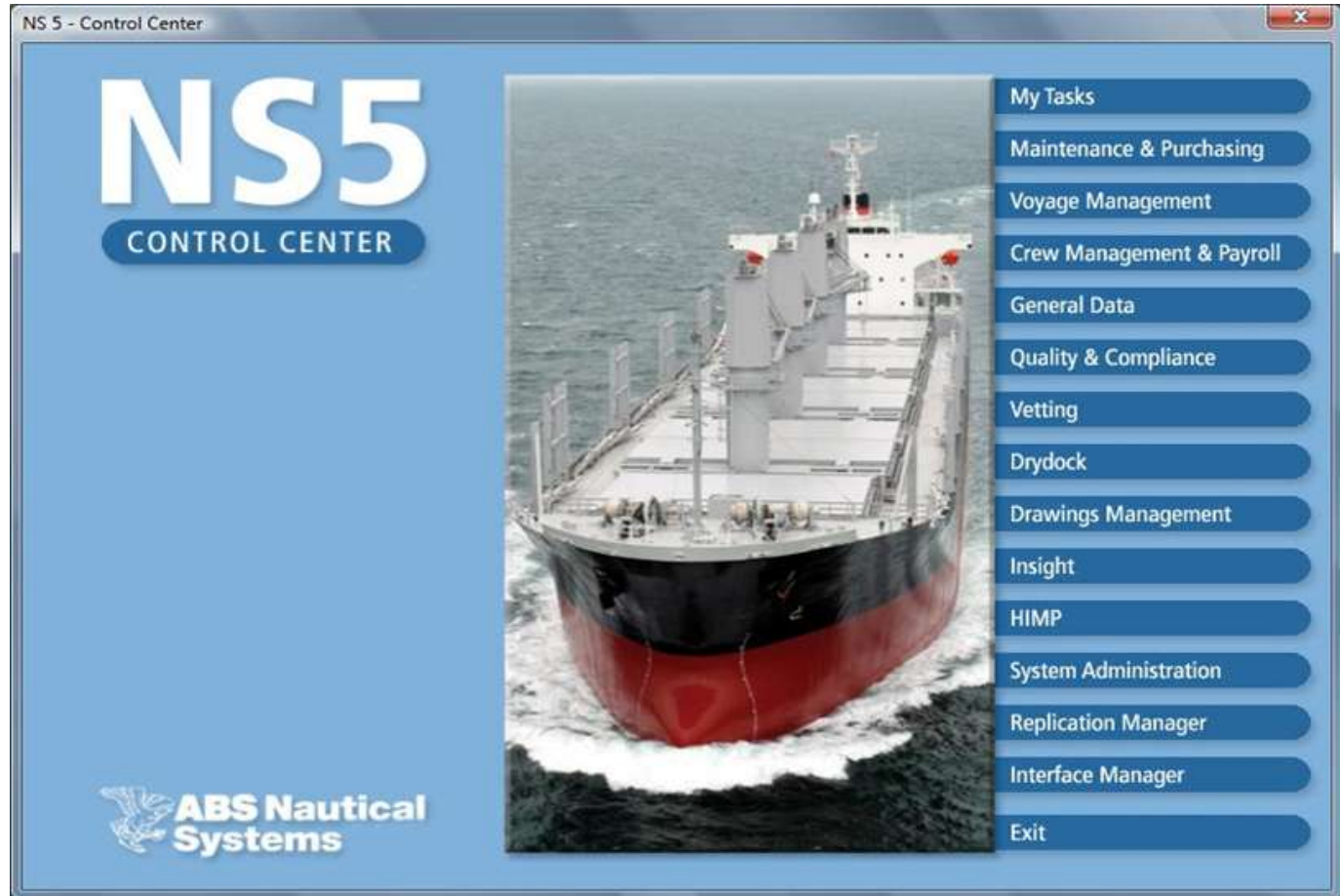
MLC Documentation

- How to Document?
 - If seafarers under the age of 18 work at night?
 - Compliance with minimum rest hours:
 - 10 hours rest in 24 hours
 - 77 hours in 7 days
 - No more than two periods 14 hours or less apart
 - One rest period must be 6 hours or greater



Asset Integrity Management System

- Tools
- Controls
- Features



NS Analysis of MLC

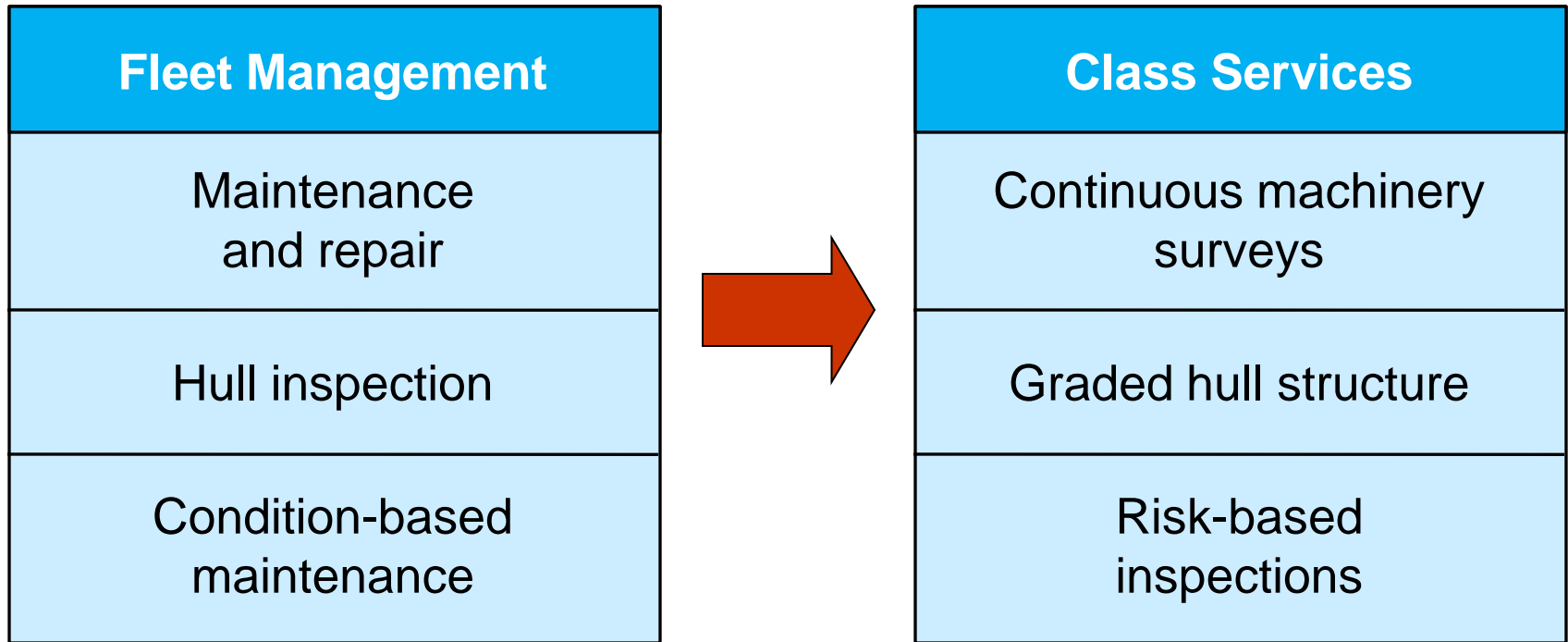
MLC Requirement	Section	NS Method of Compliance
Do any seafarers under 18 years of age work at night? If so, is this work part of a recognised training programme or is it of such a specific nature that it must be performed at night? (ref to Flag State DMLC Part I)	A1.1.2 A1.1.3a A1.1.3b	Apply and use the watch segment of the embarkation record and produce a query for all seamen born after the date equivalent to 18 years ago and working a watch defined as night (1800 to 0600).

Worth the Time?

- Identify gaps in your system
- Discuss software requirements with your vendor
- Create training tools for your staff

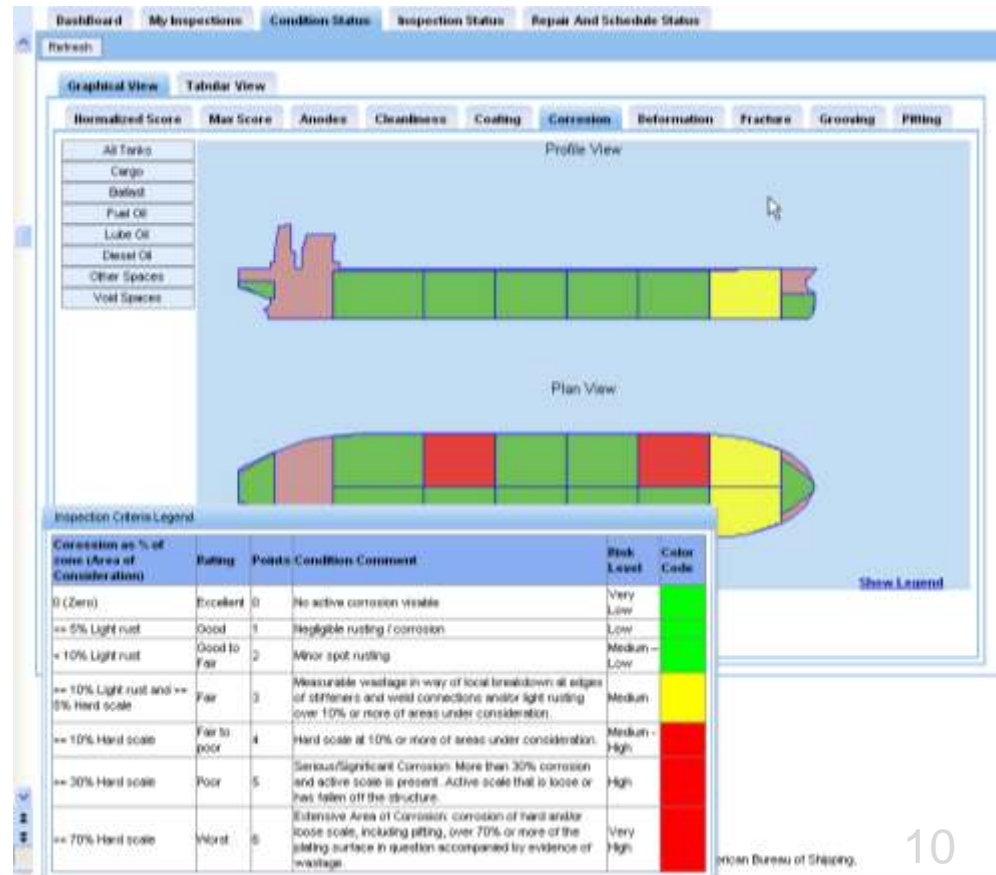


Handling Class Requirements



Hull Inspection

- Grade hull structure
- Record defects
- Identify preventative measures



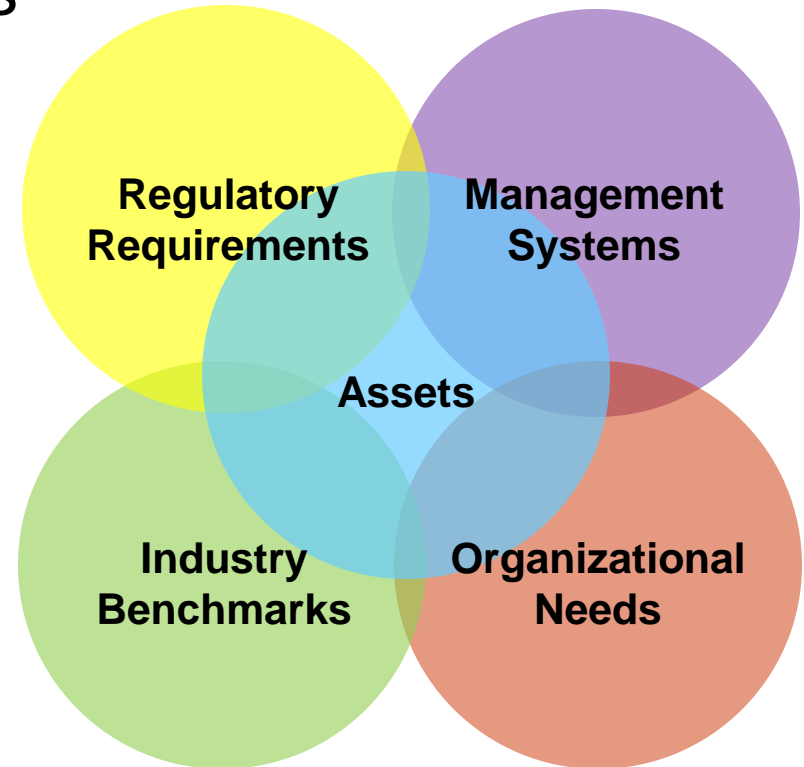
Improving Your Services

- Shared information between operators and class can result in simpler and quicker class services
 - Continuous machinery surveys
 - Risk-based inspections



Comprehensive Asset Integrity Management System

- Software encompasses
 - Regulatory requirements
 - Industry benchmarks
 - Organizational needs
- System crosses various functions
 - Structural
 - Machinery
 - Security
 - Crew
 - Environmental



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