MODU Rule Changes
Effective 01 January 2022

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Agenda

Review the recent updates and changes to the ABS MODU Rules that were implemented 01 January 2022

• Offshore Industry engagement and approval through our ABS Technical and Regional Committees
• Rule Changes address both NC/MM and SAC
• Not a comprehensive review; highlights key changes to certain Rule Sections
Part 4 – Machinery

- Requirements for use of Non-Standards Valves (4-2-2/9.1)
- Clarifications for the Storage of Helicopter Fuels (4-2-6/7.1.2)
- Clarifications regarding the Electrical Load Analyses to be provided to ABS Engineering (4-3-2/1.7)
- Clarifications for Accumulator Batteries (4-3-3/2.7)
- Additional identified to High Fire Risk Areas (4-3-3/3.31)
- Added section for Equipment in Hazardous Areas (4-3-3/9.12)

Reasons: Address areas needing improvement within our Rules with a focus on fire prevention. This is a NC/MM requirement.
**Part 7-2-5/1.7 Special Surveys (Hull)**

- Added Wastage Allowances
  - Table 1 is now the wastage allowances
  - #'s of other Tables in this section have adjusted downwards; ‘where and when’ to gauge
  - Please note the following:
    - Wastage is defined by the importance of the structure and not the location; refer to Part 3 (Hull Part) of the MOU Rules for definitions
    - Both local and global wastage
    - Not applicable for Pitting
    - Older units, which may be considered ‘overbuilt’; a scantling assessment may be performed; to be ABS Eng appv’d

**Reasons:** Added for transparency as wastage allowances were previously in a P/I and not readily accessible to external clients.
Part 7-2-5/0 Special Surveys (Machinery)

- Greatly expanded and clarified Survey requirements
  - Hull Connections and Piping of SW Systems
  - Pressure Vessels incl. Heat Exchangers
  - Watertight integrity
  - Electrical Installations
  - Hazardous Areas
  - Passive and Active Fire Protection
  - Outfitting
  - Non- CDS Drilling System Piping
  - Jacking Systems

Reasons: Added requirements of machinery were updated to reflect requirements in the ABS MVRs
Part 7-A2-2 Portable Modules

- Greatly expanded and clarified requirements
  - General Requirements
  - PAMs (Accommodation)
  - PIMs (Industrial)
  - Container Boxes

Reasons: Clarified and consolidated requirements into one (1) section.
Part 8 – Specific Unit Types

• Update to for the ventilation of Hazardous Areas (8-2-1/9.11) units that are engaged in drilling operations
  - ABS Rules have required to have 1 air change every two (2) minutes with a minimum of 12 changes per hour
  - Alternative (in the Rules update) will allow for a reduction of air changes to a minimum of 12 changes per hour, provided that air change rate is found sufficient to prevent any explosive concentration of gas or vapor mixtures above 25% of LEL
  • Supporting calculations to be in accordance with a known standard such as API, IEC, etc.

Reasons: provision of a flexible alternative based on the expected accumulation versus a prescriptive requirement.
Next Steps

• Review Rule Changes with our Offshore Survey Teams
  - Update the affected ABS internal guidance for the new Rule Changes for our Surveyors

• ABS Rule Committee Meetings scheduled for 1Q2022 for review of July 2022 and Jan 2023 PRCs
  - Part of the ABS Rule Process

• Continue to improve our Rules
Thank You

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