

B.2 Mooring force calculations against the standard environmental criteria.

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Notes: Mooring force calculations are available in appendix B2.

OCIMF Standard Environmental Criteria for new ships are as follows:

- 60 Knot Wind from any direction simultaneously with:
- 3 knots current at 0 degrees or 180 degrees or
- 2 knots current at 10 degrees or 170 degrees or
- 0.75 knots from the direction of maximum beam loading.

When carrying out force calculations against standard environmental criteria following shall be considered:

- The water depth to draught ratio i.e. (Wd/T) for the standard conditions to be taken as 1.05 when loaded and 3.0 when in ballast
- The wind velocity as this selection of 30 second wind average period takes the forces in a mooring system to respond to wind velocity changes
- Ship size and condition as it changes the response time for moorings (for consistency a 30 second average period shall be effective and uniform standard for all ship sizes and loading conditions)



Mooring Management System Management Plan (MSMP)

SECTION - MSLMP
REVISION -4444
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Notes: *Wind velocity is the velocity measured at the standard height of 10m above ground water surface and is representative of a 30 second average mean velocity.*

Notes: *Please Refer MEG-4 Appendix A (Page 234 to Page 243) for description given for W Drag Co-Efficient for various Deadweights of tankers in Loaded & Ballast Draft Conditions.*