# ISO 20283-4:2012-04 (E)

## Mechanical vibration - Measurement of vibration on ships - Part 4: Measurement and evaluation of vibration of the ship pr opulsion machinery

## Contents

Page


Foreword ..... iv

Introduction ..... v

1 Scope ..... 1

2 Normative references ..... 1

3 Termsanddefinitions ..... 1

4 Vibration tests ..... 3
4.1 Instrumentation ..... 3
4.2 Test conditions ..... 3
4.3 Test procedure ..... 4
4.4 Data processing ..... 5
4.5 Measurements ..... 5

5 Evaluation criteria ..... 14

6 Test report ..... 15

Annex A (informative) Manoeuvring, transient measurements ..... 16

Annex B (informative) Evaluation of vibration at mechanical azimuth drives (e.g. Schottel rudder propellers) and shaft lines by measurements on non-rotating parts ..... 17

Annex C (informative) Evaluation of the vibration of a Voith-Schneider propeller by measurements on non-rotating parts ..... 18

Bibliography ..... 20