



PIANC

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GUIDELINES FOR MARINA DESIGN

The World Association for Waterborne Transport Infrastructure



PIANC
The World Association for
Waterborne Transport Infrastructure

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GUIDELINES FOR MARINA DESIGN

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PIANC has Technical Commissions concerned with inland waterways and ports (InCom), coastal and ocean waterways (including ports and harbours) (MarCom), environmental aspects (EnviCom) and sport and pleasure navigation (RecCom).

This report has been produced by an international Working Group convened by the Recreational Navigation Commission RecCom). Members of the Working Group represent several countries and are acknowledged experts in their profession.

The objective of this report is to provide information and recommendations on good practice. Conformity is not obligatory and engineering judgement should be used in its application, especially in special circumstances. This report should be seen as an expert guidance and state of the art on this particular subject. PIANC disclaims all responsibility in case this report should be presented as an official standard.

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PART 2

5 - Marina Protection and Coastal Aspects – J. Cox, E. Ciralli

Plan of the entire report – in bold the parts already published

PART 1 - CHAPTERS:

- 1 - Scope and General** (Elio Ciralli, Esteban Biondi, Sip Meijer, Thomas Pehlke)
- 2 - Recommended Design Approach** (Mike Chemaly, Esteban Biondi, Sip Meijer)
- 3 - Surveys and Investigations** (A. Capote)
- 4 - Vessels characteristics** (Simon Burchett, Thomas Pehlke)

PART 2 - CHAPTER:

5 - Marina Protection and Coastal Aspects (Jack Cox, Elio Ciralli)

PART 3 – CHAPTERS:

- 6 - Master plan development
- 7 - Layout of water areas
- 8 - Layout of land side facilities

PART 4 – CHAPTERS:

- 9 - Design criteria and loading conditions
- 10 - Berthing systems
- 11 - Utilities
- 12 - Materials
- 13 - Aids to navigation
- 14 - Emergency equipment

PART 5 – CHAPTERS:

- 15. Disabled access
- 16. Superyacht
- 17. Operations and maintenance
- 18. Environmental issues and sustainability
- 19. Architecture and Landscaping
- 20. References, standards and bibliography

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