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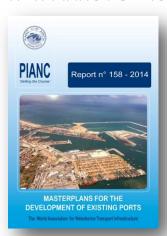
Title: "Masterplans for the development of existing ports"

Author's: MarCom Working Group 158

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Introduction:

This report was prepared by an international Working Group (WG 158) set up by PIANC in 2012. The objectives of the Working Group were to provide a comprehensive guide for the preparation of masterplans for existing ports, by referencing best international practice and key performance indicators for cargo handling systems and terminal operations to allow the preparation of reliable and responsive port masterplans.

PIANC is the World Association for Waterborne Transport Infrastructure and is the forum where professionals around the world join forces to provide expert advice on cost-effective, reliable and sustainable infrastructure to facilitate the growth of waterborne transport. PIANC brings together the best international experts on technical, economic and environmental issues pertaining to waterborne transport infrastructure. Members include national governments and public authorities, corporations and interested individuals.

This report provides guidelines and recommendations for the preparation and application of port masterplans for existing ports. The report not only examines the latest developments and trends in maritime engineering, port operations and handling equipment, but also, and more importantly, discusses changes in the models of port management and the two conditioning factors that have a profound impact on the growth and development of ports: how port operations are carried out how investments in ports are made.

Planning for the future of a port by considering how port operations will be organised and how investments will be financed are the two key elements for success.

A port masterplan should establish policies and guidelines to direct the future development of a port. The plan should aim to promote and safely accommodate international and local waterborne freight and may include for fisheries and recreational uses within the overall development plan.

The principal objectives of a port masterplan are to communicate the 'vision' for the port to the wide range of stakeholders; develop the port in accordance with international and national legislation and guidelines; integrate economic, engineering, environmental and safety considerations in the overall plan; promote the orderly long-term development and growth of the port by establishing functional areas for port facilities and operations and allow the port to respond to changing technology, cargo trends, regulations and legislation and port competition.

NOTE: 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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