

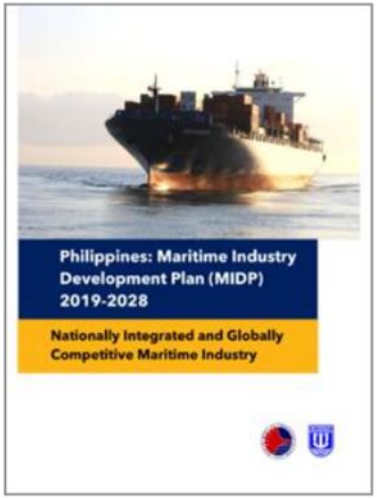


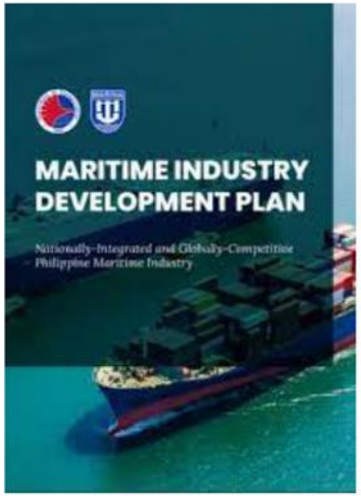
PORT DIGITALIZATION AND MODERNIZATION:

“Fueling our way to become an Asian Maritime Hub”

ATTY. HERNANI N. FABIA
Administrator
Maritime Industry Authority (MARINA)

Maritime Industry Development Plan (MIDP) 2028







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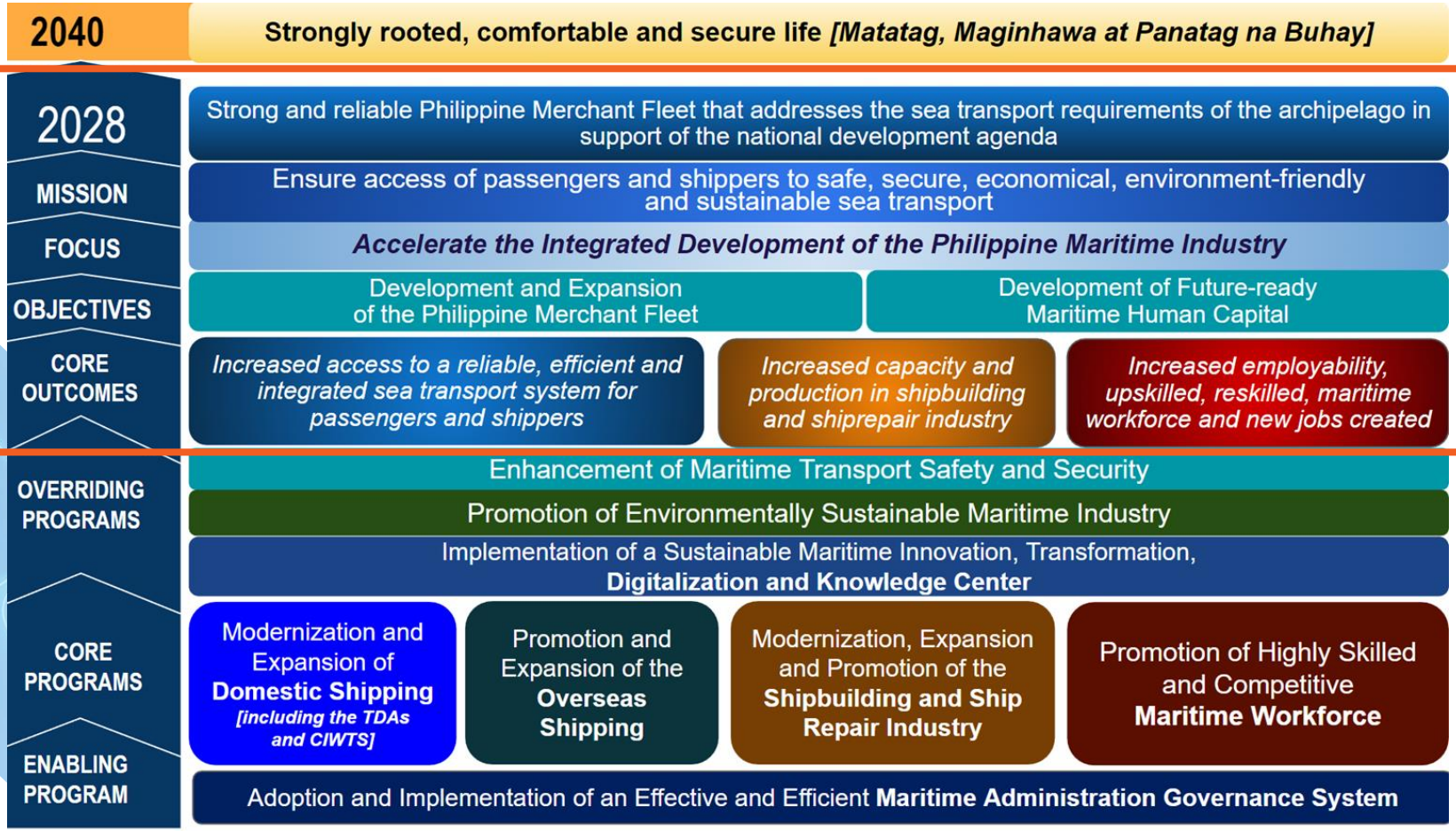


"It is time to make the maritime industry once again a top priority."

-PBBM

Philippine Maritime Industry Summit
February 28, 2023
The Tent City, The Manila Hotel

MIDP 2028 FRAMEWORK



MIDP 2028 OVERRIDING PROGRAM #01

OVERRIDING PROGRAM	Enhancement of Maritime Transport Safety and Security [Merchant and Fishing Fleets]
PROGRAM OBJECTIVE	To ensure that Philippine merchant fleet including fishing vessels are seaworthy
PROGRAM OUTCOME	Ensured more compliant ships with international and/or national safety standards including fishing vessels; Decreased maritime accidents/ incidents involving all types of ships

STRATEGIES	IMPLEMENT A MARITIME TRANSPORT SAFETY AND SECURITY POLICY FRAMEWORK	UPGRADE SYSTEM AND INFRASTRUCTURE	PROMOTE MARITIME SAFETY & SECURITY CULTURE	STRENGTHEN RESEARCH AND DEVELOPMENT
COMPONENTS	Codification of the Maritime Safety and Security Rules and Regulations	Enhancement of Emergency Response Capability	Development of Maritime Transport Safety and Security Portal (information Sharing [Program 8]	Development of E-learning of Training on Maritime Transport Safety and Security (Program 8 & 9)
	Streamlining of Maritime Safety and Security Rules and Regulations	Modernization of Communication System and Aids to Navigation	Integration of Maritime Safety & Security module to Maritime Schools (K-12) [Program 9]	Integrated database system of Philippine Registered Ships (containing all aspects of safety including database or accidents)
	Institutionalization of the National Ships and Ports Security Code *(refer to MC Series of 2003 Implementation of ISPS)*	Updating of Hydrographic Services in Navigational Sea Lanes *(refer to component of Domestic Shipping program)*		Digitalization of Compliance Monitoring and Enforcement
	Reconstitution of the National Maritime Safety and Security Council (NMSSC)			
	Ratification and full implementation of all relevant Maritime Safety and Security Conventions			

MIDP 2028 OVERRIDING PROGRAM #02

OVERRIDING PROGRAM	Promotion of Environmentally Sustainable Maritime Industry			
PROGRAM OBJECTIVE	To promote an environmentally sustainable maritime industry and communities			
PROGRAM OUTCOME	Reduced risks and impacts of marine environment hazards from ships, ports & shipyards			
STRATEGIES	IMPLEMENT A MARINE ENVIRONMENT PROTECTION POLICY FRAMEWORK	ENHANCE SYSTEM AND INFRASTRUCTURE	IMPLEMENT AN ENVIRONMENT PROTECTION STRATEGY	STRENGTHEN RESEARCH AND DEVELOPMENT
COMPONENTS	Ratification and full implementation of relevant environment protection conventions	Creation of dedicated Office to focus on Marine Environment Protection Integrated Marine Environment Protection Information System	Development and Implementation of a National Action Plan • Reduction of air pollution, GHG Emissions from Ships, Ports and Shipyards • Decarbonization of Shipping • Biofouling management • Prevention of Pollution by garbage from ships • Green Shipyards	Research on Innovative Technologies and Solutions • Prevent Marine Pollution from Ships • Management of Biofouling/ Prevent the spread of Invasive Aquatic Species (IAS) • Promotion of decarbonization • Reduction of GHG Emission from Ships • Underwater noise emission from ships • Development of homegrown Technologies

MIDP 2028 OVERRIDING PROGRAM #03

OVERRIDING PROGRAM	Implementation of a Sustainable Maritime Innovation, Transformation, Digitalization and Knowledge Center		
STRATEGIES	SUSTAIN DIGITAL TECHNOLOGY TRANSFORMATION AND INNOVATION	ENHANCE SYSTEMS AND INFRASTRUCTURE	STRENGTHEN RESEARCH AND DEVELOPMENT
COMPONENTS	System Design & Development	Enhanced Systems and Infrastructure	Philippine Maritime e-Library
	Digital Communication	MARINA-wide ISO Certification	Maritime Knowledge Products
	API Integration		Automation and Robotics
	Blockchain Technology		Digital Transformation



MIDP 2028 CORE PROGRAM #01

CORE PROGRAM	**Modernization and Expansion of Domestic Shipping Industry [Including TDAS and CIWTS]**				
PROGRAM OUTCOME	**Increased modern, safe and efficient domestic merchant fleet**				
STRATEGIES	**MODERNIZATION OF DOMESTIC MERCHANT FLEET**	**ENHANCEMENT OF INCENTIVES AND COMPREHENSIVE FINANCING PROGRAM**	**ENHANCEMENT OF SYSTEMS AND INFRASTRUCTURE**	**DIGITALIZATION AND PROMOTION OF SHIPPING OPERATIONS AND SERVICES**	**STRENGTHEN RESEARCH AND DEVELOPMENT**
COMPONENTS	Establishment and Rationalization of Domestic Shipping Routes	Provision of Tax Incentives for the Domestic Shipping Industry	Development and Provision of Berthing Space/ Ramps for Domestic Vessels	Automation and Digitalization of Shipping Service Processes	Development of Coastal and Inland Waterways Transport (CIWT) Routes
	Reducing barriers to entry and limits to entrepreneurship	Development of Financing Programs/ Schemes for the Modernization of Domestic Shipping	Development of Cruise Ship Port and Terminal	Development of Domestic Shipping Portal System	Development of Inter-Island Cruise Routes in the Philippines
	Vessel Modernization Program under RA 9295		Development and Improvement of Suitable, Reliable and Accessible Roads	Investment Folio	
	Categorization of Navigational Areas		Expansion of Nautical Highway System	Profiling of Cruise Routes	

MIDP 2028 CORE PROGRAM #02

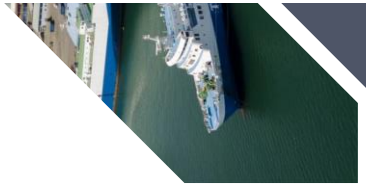
CORE PROGRAM	Promotion and Expansion of the Philippine Overseas Shipping		
PROGRAM OBJECTIVE	Create quality jobs by increasing employability, encouraging research and development and innovation, enhancing digital economy		
PROGRAM OUTCOME	Ensure a level playing field by strengthening market completion and reducing barriers to entry and limits to entrepreneurship		
STRATEGIES	CREATE AN ATTRACTIVE SHIP REGISTRY SYSTEM	ENHANCE SYSTEMS AND INFRASTRUCTURE	STRENGTHEN RESEARCH AND DEVELOPMENT
COMPONENTS	Legislative, Policy and Institutional Reforms	Digitalization of integrated ship registry systems and processes	Assessment of compliance of ratified international maritime conventions
	Ratification and implementation of international maritime conventions (i.e. IMO, ILO, UNCLOS, etc.)	Adoption of the national guidance document on Compliance Monitoring and Enforcement	Study on the proposed ratification of international maritime conventions
	Improvement of competitive position of Philippine flag vessels in the carriage of foreign trade		Demand analysis of associated maritime services (e.g, ship management, superintendency)
	Operational flexibility of Philippine-registered ships		

MIDP 2028 CORE PROGRAM #03

CORE PROGRAM	Modernization, Expansion and Promotion of the Philippine Shipbuilding and Ship Repair Industry
PROGRAM OBJECTIVE	To modernize and expand the capability and capacity of the Philippine Shipyards to meet the demands of the Local and International sea transport market
PROGRAM OUTCOME	Increased production of vessels by local shipyards; Increased revenues from the shipbuilding and ship repair entities; Created more jobs for shipyards workers
STRATEGIES	UPGRADE AND ENHANCE THE CAPABILITY AND CAPACITY OF SHIPYARDS STRENGTHEN RESEARCH AND DEVELOPMENT ESTABLISH AN ECO-INDUSTRIAL MARITIME PARK DEVELOP FINANCING AND INCENTIVES
COMPONENTS	Legislative Reforms for the Comprehensive Development of the SBSR Industry
	Shipyard manpower upskilling and reskilling (Program 9) Increased investment on the SBSR industry Improvement of SBSR infrastructure and System
	Development and Operationalization of Ship Recycling Industry in the Philippines Development and Implementation of a Modernize Transport System Technology- Ship Research Institute Development and Operationalization of National Steel Industry and other ancillary industry to support the SBSR industry Development of fit-for-purpose modern & green ships for domestic voyage
	Establishment of the Maritime Eco-Industrial Park
	Development of Financing programs/products for the Modernization of Domestic Shipyards

MIDP 2028 CORE PROGRAM #04

MIDP CORE PROGRAM	PROMOTION OF HIGHLY SKILLED AND COMPETITIVE MARITIME WORKFORCE			
PROGRAM OUTCOME	Increased reservoir of qualified and competent maritime human resource			
STRATEGIES	Broaden maritime career entry and sustain upgrading of competences	Enhance Systems and Infrastructure	Strengthen Research and Development	
COMPONENTS	Development of Ladderized Maritime Training and Education	Integrated Filipino seafarers information system	Studies to Support the Development of Future-Ready Maritime Workforce	
	Development of professional education and training programs and standards	Full Digitalization of Theoretical Education/Training, Documentation, Licensing and Certification of Seafarers		
	Development of Specialized Maritime Expertise	Strengthening of the Maritime Training and Research Center		
	Adoption of a Program on Maritime Career Advocacy			



MIDP 2028 ENABLING PROGRAM

ENABLING PROGRAM	**Adoption and Implementation of an Effective and Efficient Maritime Administration Governance System**			
PROGRAM OUTCOME	**Responsive and Efficient Governance of the Maritime Industry**			
STRATEGIES	**IMPLEMENT ORGANIZATIONAL STAFFING AND SUSTAINED CAPACITY BUILDING**	**STRENGTHEN MARITIME MULTILATERAL COOPERATION & MULTI-SECTOR LINKAGES**	**IMPLEMENT QUALITY MANAGEMENT SYSTEMS AND GOOD GOVERNANCE PRACTICE**	**ENHANCE STRATEGIC COMMUNICATIONS & RISK MANAGEMENT**
COMPONENTS	Assessment of Organizational Structure and Staffing Pattern of MIDP Implementing Agencies	Ratification or Accession of International Conventions/ Agreements	Quality Management System Certification of Core Processes	Intensified MIDP Promotion through Digital and Media Communication
	Updating of Competencies	Regional and Bilateral Agreements Implementation	Adoption of Quality Regulations	Promotion of Maritime Career and Profession
	Development of Maritime Administration Personnel Expertise	Inter-Agency and Private Sector Collaboration	Implementation of Performance Management and Performance Governance System	Management of Crisis Communications
			Ensuring professionalism and ethical standards of government manpower,etc	Mitigation of Impacts of Disasters and Disruptive Technologies



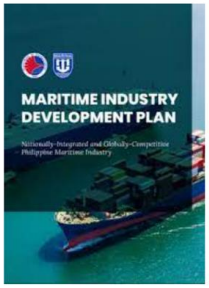
WAY FORWARD

Stakeholders full support to the implementation of the updated MIDP 2028 in the context of whole-of-nation approach.

SCAN ME:

MIDP 2028 MILESTONES and other references







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THANK YOU FOR YOUR KIND ATTENTION.