Maritime Safety & Governance
with
MTCC-PACIFIC Ship Energy Efficient Operations (SEEO) Workshop

Port Vila, Vanuatu 26th - 29th March, 2018

PROGRAMME

Time	Agenda Item*	Agenda issues	Presenters
Day 01 : 26th March, 2018 – Maritime Safety & Governance			
0830 - 0900	Registration – Maritime Safety and Governance Workshop		
0900 – 1000		Administrative Remarks	OMR
		Welcome Remarks	OMR/SPC
		Official Opening by Minister - Hon. Jotham Napat	Minister MIPU
1000 - 1030	Morning Tea & Group Photo		
1030 - 1100	01	Domestic Shipping and Safety Standards	SPC
1100 - 1130	02	Roles and Responsibilities of OMR	OMR
1130 – 1200	03	PIDSS Program status in Vanuatu	SPC
1200 - 1300	Lunch Break		
1300 - 1400	04	Group Discussion (*Participants will be divided into groups to discuss and respond to the questionnaire provided*)	All
1400 - 1500	05	Group Presentation and Plenary Discussion (*Each group to present their views and feedback*)	All
1500 – 1515	06	Women in Maritime	WIM
1515 – 1530	Afternoon Tea		
1530 - 1630	07	Establishing a public-private Consultative mechanism for shipping in Vanuatu	OMR/SPC
1630	End of Day 01		

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Day 02 : 27th March, 2018 – Technical Workshop (Ship Energy Efficient Operations)			
0800 – 0830	Registration – MTCC Pacific Workshop		
0830 – 0845	Welcome Address: MTCC-Pacific Maritime Transport Greenhouse Gas Adviser		
0845 – 1000	01	Ship Energy Efficiency Operation (SEEO) Challenges- Ship Owner Issues- Discussion of N-B-R-A Matrix: 'Outcome'	MTCC-Pacific
	02	SEE Regulations and Related Guidelines - Introduction to ship responsibilities	MTCC-Pacific
1000 - 1030	Morning Tea		
1030 – 1230	03	SEEO & GHGE Management - Origins of air pollution (airpol) and climate change (CC) - CC & GHG emissions (GHGE) - International global response - International shipping response - Main IMO regulations and historical developments	MTCC-Pacific
	04	Ship-Board Energy Management - IMO regulatory framework (FW)- ship energy efficiency (SEE) - MARPOL Annex VI Chapter 4 - Brief introduction to SEEMP GL - Brief introduction to SEE Operations Index (EEOI) GL	MTCC-Pacific
1230 – 1330	Lunch Break		
1330- 1500	05	Ship-Port Interface and Energy Efficiency - Introduction to ports and port-area emissions - Ship time in port and just-in-time (JIT) operations - Technologies for port air quality (AQ)/GHGE reductions - Ship in-port operational energy efficiency measures (OEEM) - Onshore power supply (OPS)	MTCC-Pacific
	06	Energy Management Plan (EnMP) and System (EnMS) - Brief overview of various ship-board management systems - Company level energy management - Energy audits and reviews, types and processes - Ship performance, monitoring and voyage performance analysis	MTCC-Pacific
	07	Pacific Island Domestic Ship Safety (PIDSS) Primary System - Goals, Objectives & Outcomes - PIDSS SMS - Components - Status - Issues and Lessons Learnt	PIDSS
1500 – 1530	Afternoon Tea		
1530- 1630	08	Open Discussions	
1630	End of Day 02		

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Day 03 : 28th March, 2018 – Technical Workshop (Ship Energy Efficient Operations)			
0800 – 0830	Participants arrive		
0830– 1000	01	Guidelines for EEDI - Overview of EEDI formula - EEDI calculation parameters - EEDI factors and correction factors - Example of a sample EEDI calculation	MTCC-Pacific
	02	Guidelines for SEEMP - Main elements of SEEMP - Implementation aspects - EEOI calculation process - Video - Best Practice For Fuel-Efficient Operation	MTCC-Pacific
1000 - 1030	Morning Tea		
1100 – 1230	03	Operational energy efficiency measures - Operation management - Maintenance and condition monitoring - Auxiliary load management - Trim/ballast optimization - Hull and engine conditions - System planning and reduced demand	MTCC-Pacific
	04	Technical energy efficiency measures - EEDI reduction method - Ship hydrodynamics - Propeller and propulsion system - Engines and power systems - Auxiliary machinery	MTCC-Pacific
1230 – 1330	Lunch		
1330 – 1500	05	Further measures to enhance the energy efficiency of ships - Development of a data collection system (DCS) for fuel consumption o data collection; o data analysis; and o followed by decision-making on what further measures, if any, are required	MTCC-Pacific
	06	Potential to reduce emissions and fuel consumption - Introduction and forecasting scenarios - Simulation model - Fuel consumption and fuel cost forecast	MTCC-Pacific
	07	LED - What is LED? - Efficacy of led - Cost evaluation for LED application	MTCC-Pacific

	08	Shaft Generators - What is shaft generator system? - Vessels using shaft generator - Energy saving - Cost effect - Risk	MTCC-Pacific
	09	Waste Heat Recovery System (WHRS) - Heat Balance for Engine without & with WHRS - PTG(Power Turbine & Generator) WHRS - STG(Steam Turbine & Generator) WHRS - PT-ST Combined Waste Heat Recovery System	MTCC-Pacific
1500 – 1530	Afternoon Tea		
1530 – 1615	10	Open Discussions	
1615 - 1630	Closing Remarks		
1630	End of Day 03		

Day 04 : 29th March, 2018 – Technical Workshop (Ship Energy Efficient Operations)			
0800 - 0830	Participants arrive		
0830 – 1000	01	Overview of Workshop	MTCC-Pacific
	02	Outcome document finalized	All
1000 – 1030	Morning Tea		
1030 – 1230	03	Discussion with Vanuatu Shipping Group	VSG
	04	Closing remarks- Maritime Regulator	OMR
1230 - 1330	Lunch & Finish		