

Maritime Technology Cooperation Centre - Pacific
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**MTCC-PACIFIC – Kiribati National Workshop on Ship Energy Efficient Operations (SEEO)
Tarawa, Kiribati 21st ~ 22nd June, 2018**

PROGRAMME

Time	Agenda item	Agenda issues	Presenters
Day 1 – 21st June, 2018 – Technical Workshop (Ship Energy Efficient Operations)			
0800		Registration	
0830		Welcome Addresses: Secretary MTCC-Pacific Transport Greenhouse Gas Adviser	
0900 – 1030	1	Ship Energy Efficiency Operation (SEEO) Challenges- Ship Owners Issues- Discussion of N-B-R-A Matrix: 'Outcome'	MTCC-Pacific
	2	Ship Energy Efficiency Regulations and Related Guidelines - Introduction to ship roles and responsibilities	MTCC-Pacific
1030-1100		Tea Break	
1100 – 1230	3	Ship Management to Operation - Origins of air pollution (airpol) and climate change (CC) - CC and GHG emissions (GHGE) - International global response - International shipping response - Main IMO instruments and historical developments	MTCC-Pacific
	4	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	

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1330- 1500	5	<p>Ship-Port Interface and Energy Efficiency</p> <ul style="list-style-type: none"> - 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
	6	<p>Energy Management Plan (EnMP) and System (EnMS)</p> <ul style="list-style-type: none"> - 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
	7	<p>Light Emitting Diode (LED)</p> <p>Shaft Generators</p> <p>Waste Heat Recovery System (WHRS)</p>	MTCC-Pacific
1500- 1530	8	Open Discussions	
1530- 1600	Tea Break		
End Day 1			

Time	Agenda item	Agenda issues	Presenters
Day 2 – 22nd June , 2018 – Technical Workshop (Ship Energy Efficient Operation)			
0845	Participants arrive		
0900 – 1030	1	Guidelines for EEDI <ul style="list-style-type: none"> - Overview of EEDI formula - EEDI calculation parameters - EEDI factors and correction factors - Example of a sample EEDI calculation 	MTCC-Pacific
	2	Guidelines for SEEMP <ul style="list-style-type: none"> - Main elements of SEEMP - Implementation aspects - EEOI calculation process - Video - Best Practice For Fuel-Efficient Operation 	MTCC-Pacific
1030-1100	Tea Break		
1100 – 1230	3	Operational energy efficiency measures <ul style="list-style-type: none"> - Operation management - Maintenance and condition monitoring - Auxiliary load management - Trim/ballast optimization - Hull and engine conditions - System planning and reduced demand 	MTCC-Pacific
	4	Technical energy efficiency measures <ul style="list-style-type: none"> - EEDI reduction method - Ship hydrodynamics - Propeller and propulsion system - Engines and power systems - Auxiliary machinery 	MTCC-Pacific
1230 – 1330	Lunch		



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1330 – 1545	5	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
	6	Potential to reduce emissions and fuel consumption - Introduction and forecasting scenarios - Simulation model - Fuel consumption and fuel cost forecast	MTCC-Pacific
	Tea Break		
	7	Discussion of the workshop Outcome document	MTCC-Pacific
	8	Certificate of Attendance Awarded	Secretary
	9	Closing remarks	Secretary/ MTCC-Pacific
1545- 1600	10	Open Discussions	
1600- 1630	Closing Remarks		
End Day 2			