

Maritime Technology Cooperation Centre - Pacific  
Pacific Community, Suva Regional Office  
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**MTCC-PACIFIC – Solomon Islands National Workshop on Ship Energy Efficient Operations (SEEO)**  
**Honiara, Solomon Islands, 13-16<sup>th</sup> February, 2018**

**PROGRAMME**

Time	Agenda Item*	Agenda issues	Presenters
<b>Day 1 – 13<sup>th</sup> February, 2018 – Technical Workshop (Ship Energy Efficient Operations)</b>			
0800		<b>Registration</b>	
0830		<b>Welcome Addresses:</b> <b>Solomon Islands Maritime Transport Representatives (MID &amp; SIMSA)</b> <b>MTCC-Pacific Transport Greenhouse Gas Adviser</b>	
0900 – 1030	1	Ship Energy Efficiency Operation (SEEO) Challenges- Ship Owners Issues- Discussion of N-B-R-A Matrix: 'Outcome'	MTCC-Pacific
	2	SEE Regulations and Related Guidelines - Introduction to ship roles and responsibilities	MTCC-Pacific
1030-1100		<b>Tea Break</b>	
1100 – 1230	3	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
	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		<b>Lunch</b>	

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1330- 1500	5	Ship-Port Interface and Energy Efficiency <ul style="list-style-type: none"><li>- Introduction to ports and port-area emissions</li><li>- Ship time in port and just-in-time (JIT) operations</li><li>- Technologies for port air quality (AQ)/GHGE reductions</li><li>- Ship in-port operational energy efficiency measures (OEEM)</li><li>- Onshore power supply (OPS)</li></ul>	MTCC-Pacific
	6	Energy Management Plan (EnMP) and System (EnMS) <ul style="list-style-type: none"><li>- Brief overview of various ship-board management systems</li><li>- Company level energy management</li><li>- Energy audits and reviews, types and processes</li><li>- Ship performance, monitoring and voyage performance analysis</li></ul>	MTCC-Pacific
	7	Pacific Island Domestic Ship Safety (PIDSS) <ul style="list-style-type: none"><li>- Goals, Objectives &amp; Outcomes</li><li>- PIDSS SMS</li><li>- Components</li><li>- Status</li><li>- Issues and Lessons Learnt</li></ul>	MTCC-Pacific
1500- 1530	8	Open Discussions	
1530- 1600	Tea Break		
End Day 1			

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Time	Agenda item	Agenda issues	Presenters
<b>Day 2 – 14th February, 2018 – Technical Workshop (Ship Energy Efficient Operation)</b>			
<b>0845</b>	<b>Participants arrive</b>		
<b>0900 – 1030</b>	<b>1</b>	Guidelines for EEDI <ul style="list-style-type: none"> <li>- Overview of EEDI formula</li> <li>- EEDI calculation parameters</li> <li>- EEDI factors and correction factors</li> <li>- Example of a sample EEDI calculation</li> </ul>	MTCC-Pacific
	<b>2</b>	Guidelines for SEEMP <ul style="list-style-type: none"> <li>- Main elements of SEEMP</li> <li>- Implementation aspects</li> <li>- EEOI calculation process</li> <li>- Video - Best Practice For Fuel-Efficient Operation</li> </ul>	MTCC-Pacific
<b>1030-1100</b>	<b>Tea Break</b>		
<b>1100 – 1230</b>	<b>3</b>	Operational energy efficiency measures <ul style="list-style-type: none"> <li>- Operation management</li> <li>- Maintenance and condition monitoring</li> <li>- Auxiliary load management</li> <li>- Trim/ballast optimization</li> <li>- Hull and engine conditions</li> <li>- System planning and reduced demand</li> </ul>	MTCC-Pacific
	<b>4</b>	Technical energy efficiency measures <ul style="list-style-type: none"> <li>- EEDI reduction method</li> <li>- Ship hydrodynamics</li> <li>- Propeller and propulsion system</li> <li>- Engines and power systems</li> <li>- Auxiliary machinery</li> </ul>	MTCC-Pacific
<b>1230 – 1330</b>	<b>Lunch</b>		



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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
	7	LED - What is LED? - Efficacy of led - Cost evaluation for LED application	MTCC-Pacific
	8	Shaft Generators - What is shaft generator system? - Vessels using shaft generator - Energy saving - Cost effect - Risk	MTCC-Pacific
	9	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
1545- 1600	10	Open Discussions	
1600- 1630	Closing Remarks		
End Day 2			

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Time	Agenda item	Agenda issues	Presenters
<b>Day 3 – 15th February, 2018 – Technical Workshop (Ship Energy Efficient Operations)</b>			
0845		Participants arrive	
0900 – 1030	1	Overview of Workshop	MTCC-Pacific
	2	Discussion with SIMTA	SIMTA
1030 – 1100		Tea Break	
1100 – 1230	3	Women in Maritime Association	SIWMA
	4	Port Authority Update	SIPA
	5	Outcome document finalised	All
	6	Closing remarks	Permanent Secretary