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The Pacific environment, sustaining our livelihoods and natural heritage in harmony with our cultures.

Natural Solutions for Island Resilience

CIRCULAR

FILE: 6/9/1
DATE: 3 September 2014
CIRCULAR: 14/71

TO: SPREP National Focal Points
Maritime Focal Points

SUBJECT: Invitation to attend the three day Regional Workshop on MARPOL Annex VI – Air Pollution And Greenhouse Gas (GHG) Emissions From International Shipping.

Dear Focal Points,

On behalf of the Secretariat of the Pacific Regional Environment Programme (SPREP) and the International Maritime Organization (IMO), I write to invite your government's participation in a Regional Workshop on MARPOL Annex VI – Air Pollution And Greenhouse Gas (GHG) Emissions From International Shipping, to be held in Apia, Samoa, for three days in the week of **17-21 November 2014** (final dates to be confirmed). A draft programme for the workshop is attached at, Annex 1.

The workshop is being supported using funds kindly donated to IMO by the Government of Canada through Transport Canada.

The outcome for this workshop is:

- Provide updated information and develop understanding on the provisions of MARPOL Annex VI, the international regulatory instrument for the control of Air Pollution And Greenhouse Gas (GHG) Emissions for international shipping, so supporting effective and timely implementation.

The Workshop is aimed at government administrators, preferable at a senior level with responsibility for technical and policy-making decisions relating to MARPOL Annex VI – Air Pollution And Greenhouse Gas (GHG) Emissions From International Shipping, with their respective country Exclusive Economic Zone.

It is envisaged that one (1) participant will be sponsored to attend this workshop from the following countries: Cook Islands, Fiji, Kiribati, Marshall Islands, Micronesia (Federated States of), Nauru, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.

Unfortunately the IMO funding does not extend to the territories of *American Samoa, Commonwealth of Northern Marianas Islands, French Polynesia, Guam, New Caledonia, Tokelau and Wallis and Futuna*, therefore participation in this training will be at your own cost for these nationals.

It would be appreciated if you could complete the attached registration form (Annex 2) returned no later than **15 September 2014**.

I look forward to receiving your response, once participants have been identified all finer details will be managed directly with the nominated participant. In closing, thank you for your consideration of this valuable regional workshop.

Yours Sincerely,

Kosi Latu
Officer-In-Charge

Annexes: (1) Draft Workshop Programme; and (2) Nomination Form

DRAFT PROGRAMME FOR MARPOL ANNEX VI WORKSHOP

International Maritime Organization

Regional Workshop on MARPOL Annex VI – Air Pollution And Greenhouse Gas (GHG) Emissions From International Shipping

Apia, Samoa in the week of (17-21 November 2014)

Day One		Speaker
08:30-09:00	**Arrival and registration of participants**	
09:00-09:45	**Official opening** • Welcome by host • Prayer • Opening remarks by IMO and SPREP • Photo session	TBC
09:45-10:00	**Roundtable introduction and workshop programme** • Introduction to programme, facilitators and participants	TBC
10:00-11:00	**The International Regulatory Framework for Preventing Pollution from Ships** • Introduction to the IMO, structure, decision making process • Overview of the MARPOL Convention and introduction of Annexes I to V • Other environmental instruments – BWMC, AFS, etc. • Roles and responsibilities of Administrations • IMO's Integrated Technical Co-operation Programme	TBC
11:00-11:30	**Refreshments**	
11:30-12:30	**MARPOL Annex VI – Prevention of air pollution from ships** • Why regulate air pollution from ships • Current status of MARPOL Annex VI and its application • Key technical provisions of MARPOL Annex VI and the NOx Technical Code 2008. • Review of Chapters 1 and 2 of MARPOL Annex VI including Equivalents, Notifications, Survey and Certification	TBC
12:30-13:30	**Lunch**	
13:30-14:30	**Overview of MARPOL Annex VI, Chapter 3** • Regulation of ODS, NOx, SOx, VOC, Incineration, Fuel Oil (Quality and Availability). • Current status, application, survey and certification	TBC
14:30-15:00	**Overview of the GHG issue and the role of international shipping** • Work by IMO to address GHG emissions • Role of international shipping • IMO consideration of the issue & Resolution A.963(23) • 2nd IMO GHG study – key findings and conclusions • Link with UNFCCC	TBC
15:00-15:30	**Refreshments**	

15:30-17:00	**MARPOL Annex VI, Chapter 4 - Regulations for Ship Energy Efficiency** • Resolution MEPC.203(62) on the new Chapter 4 in MARPOL Annex VI on energy efficiency measures adopted at MEPC 62 and consideration of the specific provisions • Energy Efficiency Design Index (EEDI) • Ship Energy Efficiency Management Plan (SEEMP) • Survey and certification requirements • Discussion on implementation and progress so far	TBC
17:00	**End of day one**	

Day Two		**Speaker(s)**
09:00-10:00	**Host country presentation on MARPOL Annex VI and GHG emissions** • The host country's perspective (Samoa, Marshall Islands and Kiribati) on the IMO's work on MARPOL Annex VI and GHG emissions from international shipping. • Further discussion by participants from the region.	TBC
10:00-11:00	**Emissions Control Areas (ECA) for NOx, SOx and PM control** • How ECAs are decided • Existing ECAs and likely future ECAs • Requirements for operation in ECAs • Enforcement aspects of ECA	TBC
11:00-11:30	**Refreshments**	
11:30-12:30	**Alternative fuels and SOx scrubbers** • The likely changes to marine fuels in the future • Scrubbers technology and status • Scrubber rules and compliance methods • LNG as marine fuel – Technical aspects and status • IMO LNG studies – WCR, North American ECA, Pilot study in Trinidad & Tobago	TBC
12:30-13:30	**Lunch**	
13:30-14:00	**On Shore power supply and green port initiatives** • On shore power supply techniques and benefits • Regulatory aspects of on shore power supply • Green port initiatives	TBC
14:00-15:00	**Guidelines supporting Chapter 4 of MARPOL Annex VI on EEDI** • Calculation of Attained EEDI • Calculation of Required EEDI Guidelines on survey and verification procedures • Other issues: minimum power, survey and verification of energy saving technologies.	TBC
15:00-15:30	**Refreshments**	
15:30-16:30	**Guidelines supporting Chapter 4 of MARPOL Annex VI on SEEMP** • SEEMP framework • Development of a SEEMP and its implementation • Survey and certification requirements • Energy Efficiency Operational Indicator (EEOI)	TBC

16:30-17:00	**Further measures to enhance the energy efficiency of ships** • Overview of proposals for data collection and monitoring of fuel consumption of ships • Future considerations of energy efficiency improvements	TBC
17:00	**End of day two**	

Day Three	**Speaker(s)**	
09:00-10:00	**Energy efficient ship design and technical energy efficiency measures** • Introduction to ship deign and ship resistances • Identification of key technical measures for improving energy efficiency and their impact on EEDI • Likely impact of EEDI on future ship designs.	TBC
10:00-11:00	**Energy efficient ship operation and operational energy efficiency measures** • Introduction to ship operation for energy efficiency • Identification of key operational measures for improving energy efficiency and input to SEEMP • Example SEEMP for an oil tanker.	TBC
11:00-11:30	**Refreshments**	
11:30-12:30	**Implementation and enforcement of MARPOL Annex VI** • MARPOL Annex VI – How to do it. • Flag Administration considerations • Port State Control under MARPOL Annex VI • Impact on industry stakeholders and national considerations • Reference to and use of relevant IMO guidelines	TBC
12:30-13:30	**Lunch**	
13:30-14:00	**MARPOL Annex VI – potential impact on reduced GHG emissions and fuel consumption** • Estimated effect of amendments to MARPOL Annex VI • Estimated reductions in GHG emissions and fuel savings.	TBC
14:00-15:00	**MARPOL Annex VI - future capacity building activities** • Identification of Member State needs associated with the provision of support with a view to ratification by non-Parties and implementation by Parties • MARPOL Annex VI Regulation 23 • Resolution MEPC.229 (65) Promotion of technical co-operation and transfer of technology relating to the improvement of energy efficiency of ships • IMO-GEF project	TBC
15:00-16:00	**Refreshments**	TBC
16:00-16:30	**Feedback and group discussion and deliberations** • Feedback forms to be collected • Review and deliberations on MARPOL Annex VI • Group discussion	YBC
16:30-17:00	**Presentation of certificates and closing remarks**	IMO/Host

1700	**Close of workshop**	

ANNEX 2

NOMINATION FORM

Regional Workshop on MARPOL Annex VI – Air Pollution And Greenhouse Gas (GHG) Emissions From International Shipping

Location - Apia, Samoa

17-21 November 2014 (in the week of)

Nomination

Attendee Name (as per Passport)	**First Name:**	**Last Name:**
Title (Captain/Dr/ Mr/Mrs/Miss/Ms/Other)		
Position		
Address		
City		
Post Code/Zip		
Country		
Phone		
FAX		
Mobile phone		
E-Mail		

Position of Nominating Official.....

Name.....

Signature.....

Official seal or stamp of nominating Department or Agency:

Notes: Please return the completed form by email **not later than 15 September 2014:**

Mr. Scott Willson
Marine Pollution Officer
SPREP
Email: scottw@sprep.org

Please also provide a copy of this information to:

Ms. Pulemalie Habiri
Programme Assistant - Waste Management & Pollution Control Division
SPREP
Email: pulemalieh@sprep.org