



MARINE ENVIRONMENT PROTECTION
COMMITTEE
59th session
Agenda item 4

MEPC 59/4/11
9 April 2009
Original: ENGLISH

PREVENTION OF AIR POLLUTION FROM SHIPS

Update on standardization work in ISO and IEC for shore power

Submitted by the International Organization for Standardization (ISO)

SUMMARY

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| Executive summary: | This document informs the Committee of the status of ongoing standardization work within ISO and IEC regarding the shore supply of electrical power to ships in port (cold ironing) in order to reduce engine emissions |
| Strategic direction: | 7.3 |
| High-level action: | 7.3.1 |
| Planned output: | 7.3.1.3 |
| Action to be taken: | Paragraph 4 |
| Related documents: | MEPC 55/4/1 and MEPC 54/4/3 |

1 The ability of ships to shut down their engines in port and connect to shore power represents an important tool in the efforts of ports to minimize air pollution. While receiving power from shore, ship emissions of all types, including NO_x, SO_x, and CO₂, are eliminated from the port area. Shore power is also known by the terms “cold ironing”, “alternative marine power”, and “high voltage shore connection”.

2 Since late 2006, ISO and IEC have worked to develop a standard that ports and ships could reference in developing the necessary infrastructure required to support shore power. The subject is complicated because the land and ship voltages and frequencies differ around the world. In 2008, the ISO and IEC work was combined into a central document outlining general shore power requirements, as well as issues specific to certain vessel categories.

3 This year, ISO and IEC, participating member nations, approved the publication of the current shore power document as a Publicly Available Specification (PAS). The PAS represents a relatively quick way for stakeholders to access and use technical documents while the traditional development track of an International Standard is pursued. The PAS should be published in the near term, while the development, vote and comment resolution for the International Standard continues.

For reasons of economy, this document is printed in a limited number. Delegates are kindly asked to bring their copies to meetings and not to request additional copies.



Action requested of the Committee

4 The Committee is invited to note the future publication status of ISO/IEC PAS 60092-510 as discussed above, for possible application to its work under this agenda item and future work in the area of prevention of air pollution from ships. Interested Members are cordially invited and encouraged to participate in ISO and IEC work on this and other matters of interest to the Committee via their relevant standardization bodies.
