Outline of the Summary of the Study Group on the Formation of Methanol Bunkering Hubs



Introduction

The objective is to formulate strategies for methanol bunkering, which is one of the next-generation fuels, in order to ensure that Japan does not fall behind the global trend toward decarbonization in ports and maritime shipping.

Flow of methanol bunkering implementation

- Standards for harbor master's permission procedures and safety measures Clearly outline specific considerations for harbor master's permission procedures; bunkering using existing chemical tankers can be approved based on the harbor master's expertise, without the need for individual safety assessments by third parties or other entities related to the operator

- Equipment and seafarers' requirements for methanol-fueled ships and bunkering ships

Comply with "Interim Guidelines for the Safety of Ships Using Methyl/Ethyl Alcohol as Fuel (MSC.1/Circ.1621)" (methanol-fueled ships); Comply with construction and equipment requirements of chemical tankers (methanol bunkering ships); Seafarers on methanol-fueled ships shall hold a certificate in accordance with Japanese Law, which complies with regulation V/3 of the STCW Convention. Also, seafarers on methanol bunkering ships shall hold a certificate in accordance with regulation V/1-1 of the STCW Convention.

- Specific operational procedures, etc.

Conduct a methanol bunkering simulation for large container ships at the Port of Yokohama and identify detailed challenges and issues for consideration toward actual operations

 Toward the formation of methanol bunkering hubs Considerations for hub formation Scenario development using Tokyo Bay as a model case, including evaluation of necessary facilities and equipment Establishment of an information aggregation and sharing system Collaboration with international partners Future challenges Examination of safety measures for nighttime operations, feasibility studies, and education, training, and securing qualified personnel 	 Roadmap for methanol bunkering implementation Short-term initiatives External communication and outreach, accumulating experience through bunkering using existing facilities, and stimulating demand Medium- to long-term initiatives Securing dedicated bunkering vessels in line with increasing demand and investing in facilities to strengthen the supply system for green methanol
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Conclusion

The groundwork for initiating methanol bunkering in Japan has been completed, and accelerated efforts through public-private partnerships are anticipated.