

IMO MEPC 62차 회의 결과 및 향후 연구동향

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A study on the results of IMO MEPC 62nd session and future discussion points

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Abstract : The 62nd session of the MARINE Environment Protection Committee was held in London from 11 to 15 July 2011. Mandatory measures to reduce emissions of greenhouse gases (GHGs) from international shipping were adopted at the Committee. The amendment to MARPOL Annex VI includes a new chapter 4 to make mandatory the Energy Efficiency Design Index (EEDI) for new ships and the Ship Energy Efficiency Management Plan (SEEMP) for all ships. This first mandatory measures on energy efficiency will enter into force on 1 January 2013. This amendment to MARPOL Annex VI will significantly influences the vast majority of the international maritime community. This paper mainly discusses the main results of MEPC 62nd session including the recent Emission Control Area.

Key words : IMO(국제해사기구), Marine Environment Protection Committee(해양환경보호위원회), MARPOL(해양오염방지협약), Greenhouse gases(온실가스), Emission Control Area(배출통제해역)



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Main Decisions by MEPC 62

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- 1 MARPOL Amendments NOx and SOx requirements
- 2 MARPOL Amendments GHG from Ships

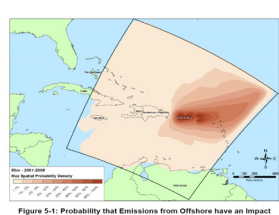
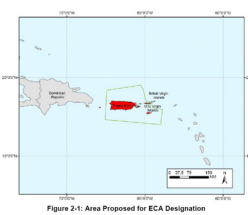


1. MARPOL Amendments

Revised MARPOL Annex VI (MEPC 62)

MARPOL 부속서 VI - 개정 채택
(기오염방지를 위한 규칙)
Effective: 1 January 2013 - Res.MEPC.202(62)
 미국의 추가 배출통제해역(ECA) 지정 제안 채택

MARPOL 부속서 VI 제13규칙, 제14규칙 및 부록 VII 개정 :
 - MEPC 62 미국령 Puerto Rico (United States) and the Virgin Islands (United States) 연안을 Nitrogen oxide (NOx) 및 Sulphur oxide (SOx) 규제를 위한 배출통제해역(ECA)으로 지정



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NOx and SOx Emission Control Area



● Res.MEPC.190(60) ? 2011년 8월 1일 발효

● MARPOL 부속서 VI Reg.13 및 Reg.14 개정

(북아메리카 200해리 배출통제해역)



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Revised MARPOL Annex VI - Reg.14



● ? Effective from 1 August 2011

● Reg.14 (SOx) amended by Res.MEPC.190(60)

(enter into force on 1 August 2011)

North American area (before 1 Aug. 2012)

Sulphur content	Effective Date
4.5 % m/m	Date < 1 Jan. 2012
3.5 % m/m	1 Jan. 2012 ≤ Date < 1 Aug. 2012

North American emission control area (on or after 1 Aug. 2012)

Sulphur content	Effective Date
1.0 % m/m	1 Aug. 2012 ≤ Date < 1 Jan. 2015
0.1 % m/m	1 Jan. 2015 ≤ Date

Amendments by Res.MEPC.190(60) are effective from 1 August 2011. However, in accordance with paragraph 7 of this requirement, during the first 12 months following an amendment designating a specific Emission Control Area, ships operating in that Emission Control Area are exempt from the requirements.

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Work plan decided by MEPC 62



2 Remaining EEDI and SEEMP related guidelines to be developed

MEPC session :	MEPC 62	MEPC 64	MEPC 65	MEPC 66	MEPC 67	
Date (for 2012, 2013, 2014 and 2015, the dates are tentative):	July 2011	February 2012	October 2012	[July 2013]	[March 2014]	[October 2014]
Guidelines on ship specific voluntary structural enhancement to increase safety of a ship (two sessions after receiving proposal; time schedule shown in right is the earliest possibility)			Finalization			
Consideration of CO ₂ abatement technologies (Conversion factors/Guidelines) (three sessions after receiving proposal; time schedule shown in right is the earliest possibility)				Finalization		
		Finalization				
Identification and development of other guidelines or supporting documents for technical and operational measures						

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Conclusion and Future discussion



- IMO's political will was demonstrated at MEPC 62 : Adoption of GHG regulation
- It remains to be seen whether and what measures EU will bring forward
- EEDI related technical guidelines will continue to be developed (EE-WG2 to be held from 9th – 13th of Jan. in 2012)
- New innovative energy efficient technology is under development
- Class and owners have much to do in improving their ships' energy efficiency

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