



Office of  
Deputy Commissioner  
of Maritime Affairs

**THE REPUBLIC OF LIBERIA**  
**LIBERIA MARITIME AUTHORITY**

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**Marine Advisory: 28/2020**

**Subject: South Korea’s Designation of Emission Control Areas**

**Reference:** (a) **Incheon Port Authority Guidance**  
(b) **Pyeongtaek Port Authority’s Guidance**

**Dear Shipowners/Operators/Masters**

**Purpose:** This Advisory is sent to inform Liberian vessel operators that the South Korean Ministry of Oceans and Fisheries (MOF) has recently announced the designation of SOx Emission Control Areas (SECA) in accordance with the “Special Act on the Improvement of Air Quality in Port Areas, etc.” which was enacted in 2019.

**Requirements:**

1. Reduction of SOx Emission from ships

Ships in the SOx Emission Control Areas are required to use fuel oil with sulphur content not exceeding 0.1% m/m, or install an appropriate exhaust gas cleaning system (EGCS) to reduce SOx emissions to 4.3 (unit: SO2 (ppm) / CO2 (% , v/v)) or less.

2. Recording in Engine Log Book in SECA

Ships operating inside the SECAs shall record the fuel oil change-over, etc. in the engine log book, or alternatively record the operation status of the EGCS. Also, the ships shall keep the above engine log book on board for a period of not less than 12 months from the time of delivery of the fuel oils to the ship.

Applicable ships	Entries to be recorded in Engine Log Book	
Ships using low sulphur fuel oil (not exceeding 0.1%)	1) Type of fuel oil, date, time, and ship's position (place) when the fuel oil change-over is completed. 2) Volume of low sulphur fuel oil (sulphur content of 0.1% or less) remaining in each fuel oil tank. 3) Sulphur content of fuel oil (for the most recently supplied fuel oil)	
Ships equipped with an EGSC	Scheme A	Result of check Parameters prior to entering an Emission Control Area
	Scheme B	SO2(ppm)/CO2(% ,v/v) ratio prior to entering an Emission Control Area
	Both	Time and position of switching operational mode on exhaust gas cleaning system prior to entering an Emission Control Area

### 3. Fuel change-over procedure

Those ships using separate fuel oils stored in separate tanks (to comply with sulphur content limit requirements) shall carry written procedure showing how the fuel oil change-over is to be done before entering or leaving a SECA in Korea.

#### Application:

Applicable ships	Range of application	Date of Enforcement
Ships anchoring or mooring in SECA	From 1 hour after completion of anchoring or mooring to 1 hour before completion of heaving in anchor or unberthing	From 1st September, 2020 to 31st December 2021
All ships	From entry into SECA until the exit from SECA	On or after 1st January, 2022

#### Sulphur Emission Control Area:

Incheon, Pyeongtaek, Dangjin	Yeosu, Gwangyang	Busan	Busan (West)	Ulsan
Within the boundary of below points	Within the boundary of below points	Within the boundary of below points	Within the boundary of below points	6 miles from
37°36'00" 126°33'42"	34°35'24" 127°48'20"	35°09'36" 129°11'32"	35°03'19.5" 128°43'23.5"	35°24'37" 129°27'52"
37°10'00" 126°06'30"	34°35'24" 128°00'26"	35°09'04" 129°11'44"	34°58'30" 128°45'21"	
37°02'54" 126°29'00"	34°42'42" 128°00'26"	34°58'46" 129°04'14"	34°55'00" 128°50'00"	
	34°56'22" 127°52'06"	34°55'00" 128°50'00"	34°58'41.5" 128°49'19.5"	
	34°56'46" 127°51'56"	34°58'41.5" 128°49'19.5"	35°02'01.4" 128°47'37.8"	
		35°02'01.4" 128°47'37.8"	35°03'19.5" 128°43'23.5"	
		35°03'19.5" 128°43'23.5"		
		35°05'42" 128°42'53"		

Please contact [RegsandStandards@liscr.com](mailto:RegsandStandards@liscr.com) if you have any questions.

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