



Office of  
Deputy Commissioner  
of Maritime Affairs

## THE REPUBLIC OF LIBERIA

### LIBERIA MARITIME AUTHORITY

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**27 August 2020**

**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 SO<sub>x</sub> 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 SO<sub>x</sub> Emission from ships**

Ships in the SO<sub>x</sub> 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 SO<sub>x</sub> emissions to 4.3 (unit: SO<sub>2</sub> (ppm) / CO<sub>2</sub> (% 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.<br>2) Volume of low sulphur fuel oil (sulphur content of 0.1% or less) remaining in each fuel oil tank.<br>3) Sulphur content of fuel oil (for the most recently supplied fuel oil) |                                                                                                                           |
| Ships equipped with an EGSC                           | Scheme A                                                                                                                                                                                                                                                                                     | Result of check<br>Parameters prior to entering an Emission Control Area                                                  |
|                                                       | Scheme B                                                                                                                                                                                                                                                                                     | SO <sub>2</sub> (ppm)/CO <sub>2</sub> (%,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<br>to 31st December 2021 |
| All ships                          | From entry into SECA until the exit from SECA                                                                       | On or after<br>1st January, 2022                  |

#### Sulphur Emission Control Area:

| Incheon,<br>Pyeongtaek,<br>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"<br>126°33'42"             | 34°35'24"<br>127°48'20"             | 35°09'36"<br>129°11'32"             | 35°03'19.5"<br>128°43'23.5"         | 35°24'37"<br>129°27'52" |
| 37°10'00"<br>126°06'30"             | 34°35'24"<br>128°00'26"             | 35°09'04"<br>129°11'44"             | 34°58'30"<br>128°45'21"             |                         |
| 37°02'54"<br>126°29'00"             | 34°42'42"<br>128°00'26"             | 34°58'46"<br>129°04'14"             | 34°55'00"<br>128°50'00"             |                         |
|                                     | 34°56'22"<br>127°52'06"             | 34°55'00"<br>128°50'00"             | 34°58'41.5"<br>128°49'19.5"         |                         |
|                                     | 34°56'46"<br>127°51'56"             | 34°58'41.5"<br>128°49'19.5"         | 35°02'01.4"<br>128°47'37.8"         |                         |
|                                     |                                     | 35°02'01.4"<br>128°47'37.8"         | 35°03'19.5"<br>128°43'23.5"         |                         |
|                                     |                                     | 35°03'19.5"<br>128°43'23.5"         |                                     |                         |
|                                     |                                     | 35°05'42"<br>128°42'53"             |                                     |                         |

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

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