

The Swedish Transport Agency's Code of Statutes



TSFS 20[Year]:

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Regulations

amending the Swedish Transport Agency's regulations and general advice (TSFS 2010:96) on prevention of pollution from ships;

MARITIME TRANSPORT

adopted on [Select a date].

The Swedish Transport Agency prescribes¹ the following by virtue of Chapter 1, Section 2, Chapter 4, Section 1, Chapter 5, Section 4 and Chapter 9, Section 18 of the Ordinance (1980:789) on prevention of pollution from ships as regards the Agency's Regulations and general advice (TSFS 2010:96) on prevention of pollution from ships:

that Chapter 13, Sections 1, 20, 24, 24a and 35c, Chapter 14, Sections 10 and 12 and Annex 10 shall read as follows;

that a new section, Chapter 9, Section 30a, and a new annex, Annex 11, shall be inserted, with the following wording.

Chapter 9.

Section 30a² In the context of Chapter 2, Section 23 of the Ordinance (1980:789) on prevention of pollution from ships, 'under way' means that the ship is moving at sea on one or more courses, including deviations from the shortest direct route, which, insofar as is practicable in the light of navigation, ensure that any discharges are dispersed over as large a sea area as is reasonable and practicable.

Chapter 13.

Section 1³ For the purposes of this Chapter, the following definitions shall apply. Otherwise, the definitions as set out in Annex 1 are used.

'accredited' means a measurement laboratory accredited under

¹ See Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services.

² Corresponds to MARPOL 73/78, Regulation II/1.6.

³ Corresponds to MARPOL 73/78, Regulation VI/2.

<i>laboratory</i>	Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products and repealing Regulation (EEC) No 339/93 in accordance with SS-EN ISO/IEC 17025 for carrying out control measurements and issuing documentation in accordance with the requirements of this Chapter;
<i>'fuel oil'</i>	means fuel delivered to and intended for use on board a ship;
<i>'ship delivered on or after 1 September 2019'</i>	means a ship 1. for which a construction contract was concluded on or after 1 September 2015; or 2. where there is no construction contract, the keel of which was laid or which was at an equivalent stage of construction on 1 March 2016; or 3. was delivered on or after 1 September 2019;
<i>'gas fuel'</i>	means <i>fuel oil</i> with an absolute vapour pressure exceeding 0.28 MPa at a temperature of 37.8 °C;
<i>'gas carriers'</i>	means a cargo ship, other than LNG tanker, constructed or adapted to carry all types of liquefied gases in bulk.

Section 20⁴ For a major conversion involving the replacement of a marine diesel engine with a non-identical marine diesel engine or the installation of an additional marine diesel engine, the requirements in Sections 22-24 in force at the time of the replacement or new installation shall apply. A marine diesel engine that replaces a steam system is classified as a replacement engine.

A replacement engine that cannot comply with Section 24 (Stage III) may instead comply with Section 23 (Stage II).

General advice

The assessment of whether it is possible for the replacement engine to comply with Section 24 should be made in accordance with the conditions set out in the guidelines in Resolution MEPC.230(65).

⁴ Corresponds to MARPOL 73/78, Regulation VI/13.2.2.

Section 24⁵ In a nitrogen and emission control area, the operation of marine diesel engines installed on board ships shall be prohibited if the emission of nitrogen oxides (calculated as the total weighted emission of NO₂) from the engine is above the following limit values:

1. 3.4 g/kWh when n is less than 130 rpm;
2. $9n(-0.2)$ g/kWh when n is 130 or more but less than 2000 rpm; and
3. 2.0 g/kWh when n is 2000 rpm or more.

n = engine rated speed, and rpm specifies the drive shaft speed per minute.

This applies:

1. within the North American Nitrogen Oxides Emission Control Area and the United States Caribbean Nitrogen Oxides Emission Control Area, for ships built on or after 1 January 2016,
2. in Swedish internal waters and within the nitrogen and emission control areas of the Baltic Sea and the North Sea for ships built on or after 1 January 2021,
3. within the Arctic Nitrogen and Emission Control Area of Canada for ships constructed on or after 1 January 2025; and
4. within the Norwegian Sea's nitrogen and emission control area for vessels built on or after 1 March 2026.

Vessels constructed on or after 1 March 2026 in point 4 of the second paragraph shall mean:

1. a ship for which a construction contract was signed after 1 March 2026,
2. where there is no construction contract, the keel of which was laid or which was at an equivalent stage of construction on or after 1 September 2026; or
3. was delivered on or after 1 March 2030.

The tier (II or III) and on/off position of marine diesel engines shall be noted or registered electronically in the vessel's navigation log or engine room logbook together with the time, date and vessel position. This shall apply when these diesel engines are certified as both tier II and tier III or only as tier II. The information shall be entered when these ships enter or leave a nitrogen and discharge control area, or when the on/off position changes within such an area.

Section 24a⁶ The nitrogen and emission control areas referred to in Section 24 refer to the North American areas, the Caribbean Sea area of the United States of America, the Baltic Sea area and the North Sea area as set out in the Sulphur Ordinance (2014:509), the Norwegian Sea area as set out in Chapter 9, Section 34b, and the Arctic Sea area of Canada as set out in Annex 11.

⁵ Corresponds to MARPOL 73/78, Regulation VI/13.5.1 and 13.5.3.

⁶ Corresponds to MARPOL 73/78, Regulation VI/13.6.

Section 35c⁷ The requirements in Sections 35a to 35b shall not apply to distribution systems for low-flashpoint fuels or gas fuels. Low-flashpoint fuels are those fuels which have a flashpoint below 60°C.

Chapter 14.

Section 10⁸ Each ship shall have on board an SEEMP, which may form part of the ship's safety management system. The SEEMP shall be drawn up and revised in accordance with the guidelines adopted by the IMO through Resolution MEPC.395(82), as amended by Resolution MEPC.401(83).⁹

In the case of a ship of 5,000 gross tonnage and above, the SEEMP shall include a description of:

1. the methodology that will be used to collect the data required by Section 11; and
2. the processes that will be used to report the data to the Swedish Transport Agency.

The SEEMP shall include:

1. a description of the methodology that will be used to calculate the ship's annual operational CII required by Section 12, and a description of the processes that will be used to report this value to the ship's Administration;
2. the required annual operational CII, as specified in Section 12, for the next three years;
3. an implementation plan documenting how the required annual operational CII will be achieved during the next three years; and
4. a procedure for self-evaluation and improvement.

For ships rated as D for three consecutive years in accordance with Section 12, or rated as E, the SEEMP shall be reviewed to include a plan of corrective actions to achieve the required annual operational CII.

The SEEMP shall be subject to verification and audits taking into account guidelines adopted by the IMO.

Section 12¹⁰ After the end of each calendar year, the annual operational CII attained over the 12-month period from 1 January to 31 December of the calendar year shall be calculated for each ship falling into one or more of the categories of ships referred to in Section 2, except passenger ships. The calculation shall be carried out in accordance with Section 11. The calculation shall take into account resolutions MEPC.352(78)¹¹, MEPC.395(82)¹² as amended by MEPC.401(83)¹³ and MEPC.355(78)¹⁴.

⁷ Corresponds to MARPOL 73/78, Regulation VI/14.12.

⁸ Corresponds to MARPOL 73/78, Regulation VI/26.

⁹ 2024 Guidelines for the development of a Ship Energy Efficiency Management Plan (SEEMP).

¹⁰ Corresponds to MARPOL 73/78, Regulation VI/28.1-3.

¹¹ 2022 Guidelines on operational carbon intensity indicators and the calculation methods (CII Guidelines, G1).

The CII attained by the ship is then compared with the defined target (reference line) for the specific ship category and tonnage in accordance with Resolution MEPC.353(78)¹⁵.

The ship's annual operational CII shall be reported electronically to the Swedish Transport Agency by 31 March.

Where a ship is sold, and the sale is completed after 1 January 2023, the annual operational CII of the ship for the entire 12-month period from 1 January to 31 December of the calendar year in which the sale took place shall be calculated and reported in accordance with the first paragraph and subsequently verified in accordance with Chapter 2, Section 3b. This does not exempt any ship from the reporting obligations in accordance with Section 11.

These Regulations enter into force on 1 October 2026.

On behalf of the Swedish Transport Agency,

JONAS BJELFVENSTAM

Stina Paulin
(Civil Aviation and Maritime

Department)

¹² 2024 Guidelines for the development of a Ship Energy Efficiency Management Plan (SEEMP).

¹³ Amendments to the 2024 Guidelines for the development of a Ship Energy Efficiency Management Plan (SEEMP).

¹⁴ 2022 Interim guidelines on correction factors and voyage adjustments for CII calculations (CII Guidelines, G5).

¹⁵ 2021 Guidelines on the reference lines for use with operational carbon intensity indicators (CII reference line guidelines, G2).

**Annex 10¹⁶. Information to be submitted
 in accordance with Chapter 14, Section 11**

1. Ship's IMO number
2. Period for which the data is submitted (start date and end date)
3. Technical information on the ship:
 - (a) delivery year
 - (b) type of vessel
 - (c) gross tonnage
 - (d) net tonnage
 - (e) deadweight
 - (f) total power output (rated power) of main and auxiliary engines above 130 kWh (to be stated in kW)
 - (g) EEDI value (if applicable)
 - (h) EEXI value (if applicable)
 - (i) ice class
4. Data on fuel consumption:
 - (a) total fuel consumption in tonnes by fuel type, and the methods used to collect information on fuel consumption
 - (b) total fuel consumption in tonnes per fuel type for each type of fuel-consuming unit (i–iv), and the methods used to collect information on fuel consumption:
 - i) main engines
 - ii) auxiliary engines/generators
 - iii) oil-fired boilers
 - iv) other systems
 - (c) fuel consumption when the ship is not under way, in tonnes per fuel type for each type of fuel-consuming unit (i–iv), and the methods used to collect information on fuel consumption:
 - i) main engines
 - ii) auxiliary engines/generators
 - iii) oil-fired boilers
 - iv) other systems
 - (d) total distance travelled over shallow waters (in nautical miles)
 - (e) distance travelled over shallow waters (in nautical miles) whilst carrying a cargo (optional information)
 - (f) travelling time
 - (g) total amount of shore-side electricity supplied (kWh)
5. For vessels covered by provisions on CII in Chapter 14, Section 12:
 - (a) total transport work
 - (b) applicable CII (AER or cgDIST)

¹⁶ Corresponds to MARPOL 73/78 VI/Appendix IX.

- (c) required annual operational CII value
- (d) annual operational CII value before adjustments
- (e) required annual operational CII value
- (f) Installation of innovative technologies (if applicable) (A, B-1, B-2, C-1 or C-2)
- (g) operational carbon intensity class (A, B, C, D or E)
- (h) CII for experimental purposes (optional information): (EEPI (gCO₂/t•nm), cbDIST (gCO₂/berth•nm), clDIST (gCO₂/m•nm) and EEOI (gCO₂/t•nm))

Annex 11. Coordinates for the delimitation of the Arctic Sea Area of Canada

Canada's Arctic maritime zone comprises the following two sections:

1. The area delimited by straight (geodetic) lines between the coordinates indicated below, with the starting point on the mainland of Yukon at 68°54'.00 N, 137°0'.00 W and the end point on the northern coast of Hans Island at 80°49'.91 N, 66°27'.40 W:

POINT	LATITUDE	LONGITUDE
1	68°54'.00 N	137°00'.00 W
2	72°56'.58 N	137°00'.00 W
3	73°00'.42 N	136°21'.72 W
4	73°21'.72 N	136°20'.46 W
5	73°56'.34 N	136°57'.60 W
6	74°30'.18 N	137°13'.08 W
7	75°03'.42 N	137°07'.20 W
8	75°49'.26 N	136°32'.04 W
9	76°42'.18 N	136°57'.06 W
10	77°28'.26 N	136°34'.74 W
11	78°07'.26 N	135°28'.50 W
12	78°39'.72 N	133°44'.88 W
13	79°29'.58 N	131°24'.96 W
14	79°53'.16 N	129°32'.22 W
15	80°31'.44 N	127°33'.48 W
16	81°54'.36 N	118°36'.24 W
17	82°16'.32 N	116°28'.98 W
18	82°52'.86 N	115°29'.46 W
19	83°54'.54 N	112°07'.20 W
20	85°46'.14 N	97°16'.86 W
21	86°09'.78 N	89°14'.46 W
22	86°22'.56 N	78°59'.58 W
23	86°19'.18 N	60°10'.17 W
24	85°38'.92 N	58°10'.58 W

POINT	LATITUDE	LONGITUDE
25	85°22'.29 N	57°59'.22 W
26	85°12'.04 N	57°54'.68 W
27	84°49'.56 N	57°13'.28 W
28	84°22'.15 N	56°43'.09 W
29	84°17'.32 N	56°35'.78 W
30	84°11'.05 N	56°29'.53 W
31	83°10'.79 N	57°00'.21 W
32	83°04'.29 N	57°27'.78 W
33	83°00'.95 N	57°32'.72 W
34	82°44'.71 N	58°00'.38 W
35	82°42'.57 N	58°06'.78 W
36	82°40'.69 N	58°11'.74 W
37	82°34'.95 N	58°25'.30 W
38	82°31'.25 N	58°38'.56 W
39	82°27'.52 N	58°50'.12 W
40	82°22'.87 N	59°02'.00 W
41	82°20'.26 N	59°21'.38 W
42	82°18'.54 N	59°32'.25 W
43	82°17'.22 N	59°41'.31 W
44	82°14'.41 N	59°56'.06 W
45	82°12'.06 N	60°02'.23 W
46	81°51'.67 N	62°09'.60 W
47	81°17'.89 N	64°08'.73 W
48	80°50'.48 N	66°15'.33 W
49	80°50'.10 N	66°26'.97 W
50	80°49'.91 N	66°27'.40 W

2. The area delimited by straight (geodetic) lines between the coordinates indicated below, with the starting point on the south coast of His Island at 80°49'.29 N, 66°27'.04 W and the end point on the coast of Newfoundland and Labrador at 60°0'.00 N, 64°9'.60 W:

POINT	LATITUDE	LONGITUDE
51	80°49'.29 N	66°27'.04 W
52	80°49'.19 N	66°26'.57 W
53	80°45'.43 N	67°03'.99 W
54	80°26'.16 N	68°14'.39 W
55	80°01'.79 N	68°46'.99 W
56	79°40'.38 N	69°04'.68 W
57	78°48'.09 N	72°52'.36 W
58	78°25'.05 N	73°45'.66 W
59	77°30'.83 N	74°38'.24 W
60	76°43'.47 N	74°56'.49 W
61	75°00'.00 N	73°16'.07 W
62	74°50'.67 N	73°02'.71 W
63	74°44'.20 N	72°52'.86 W
64	74°28'.67 N	71°45'.72 W
65	74°24'.02 N	71°25'.67 W
66	74°12'.42 N	70°33'.06 W
67	74°10'.03 N	70°23'.12 W
68	74°07'.50 N	70°12'.16 W
69	74°06'.15 N	70°06'.69 W
70	74°02'.53 N	69°51'.43 W
71	74°02'.25 N	69°50'.33 W
72	73°57'.54 N	69°31'.02 W
73	73°52'.27 N	69°10'.88 W
74	73°46'.73 N	68°51'.14 W
75	73°46'.17 N	68°48'.81 W
76	73°41'.77 N	68°29'.65 W

POINT	LATITUDE	LONGITUDE
77	73°37'.91 N	68°12'.34 W
78	73°36'.51 N	68°05'.42 W
79	73°31'.14 N	67°15'.52 W
80	73°25'.90 N	66°24'.99 W
81	73°18'.48 N	66°07'.91 W
82	72°50'.89 N	65°07'.52 W
83	72°47'.70 N	65°00'.63 W
84	72°45'.76 N	64°58'.22 W
85	72°43'.78 N	64°54'.27 W
86	72°36'.40 N	64°38'.74 W
87	72°30'.58 N	64°26'.04 W
88	72°24'.89 N	64°13'.11 W
89	72°10'.96 N	63°40'.55 W
90	72°06'.33 N	63°30'.42 W
91	72°01'.65 N	63°20'.73 W
92	71°52'.98 N	63°03'.86 W
93	71°47'.21 N	62°52'.67 W
94	71°44'.71 N	62°49'.41 W
95	71°32'.90 N	62°33'.35 W
96	71°31'.73 N	62°31'.66 W
97	71°29'.39 N	62°28'.99 W
98	71°25'.93 N	62°25'.37 W
99	71°18'.98 N	62°17'.45 W
100	71°12'.10 N	62°08'.98 W
101	70°51'.84 N	61°42'.53 W
102	70°48'.17 N	61°37'.62 W
103	70°35'.55 N	61°20'.28 W
104	70°33'.07 N	61°17'.10 W
105	70°13'.48 N	61°10'.49 W

POINT	LATITUDE	LONGITUDE
106	70°08'.83 N	61°08'.67 W
107	70°07'.55 N	61°07'.92 W
108	70°01'.68 N	61°04'.08 W
109	69°55'.82 N	60°59'.85 W
110	69°55'.27 N	60°59'.41 W
111	69°49'.82 N	60°57'.99 W
112	69°29'.41 N	60°51'.36 W
113	69°12'.82 N	60°27'.40 W
114	69°10'.24 N	60°23'.47 W
115	69°06'.79 N	60°18'.33 W
116	69°00'.88 N	60°08'.99 W
117	68°56'.83 N	60°02'.21 W
118	68°38'.02 N	59°14'.43 W
119	68°37'.86 N	59°14'.01 W
120	68°34'.02 N	59°4'.46 W
121	68°32'.88 N	59°01'.49 W
122	68°25'.25 N	58°42'.06 W
123	68°21'.67 N	58°38'.64 W
124	68°16'.07 N	58°33'.75 W
125	68°07'.40 N	58°26'.93 W
126	68°06'.87 N	58°26'.58 W
127	68°04'.26 N	58°24'.69 W
128	68°01'.89 N	58°23'.15 W
129	67°56'.94 N	58°19'.62 W
130	67°44'.25 N	58°09'.79 W
131	67°39'.77 N	58°06'.05 W
132	67°35'.33 N	58°02'.07 W
133	67°30'.76 N	57°57'.66 W
134	67°29'.16 N	57°56'.00 W

POINT	LATITUDE	LONGITUDE
135	67°28'.21 N	57°55'.01 W
136	67°27'.27 N	57°54'.57 W
137	67°21'.52 N	57°52'.35 W
138	66°49'.47 N	57°42'.84 W
139	66°41'.71 N	57°40'.35 W
140	66°37'.88 N	57°39'.45 W
141	66°36'.02 N	57°38'.99 W
142	66°30'.27 N	57°38'.04 W
143	66°24'.50 N	57°37'.56 W
144	66°18'.68 N	57°37'.55 W
145	66°12'.84 N	57°38'.01 W
146	66°03'.50 N	57°39'.45 W
147	65°57'.62 N	57°39'.93 W
148	65°57'.50 N	57°39'.93 W
149	65°51'.75 N	57°40'.44 W
150	65°50'.81 N	57°40'.46 W
151	65°37'.59 N	57°41'.74 W
152	65°34'.74 N	57°42'.18 W
153	65°23'.33 N	57°44'.83 W
154	65°18'.08 N	57°45'.70 W
155	65°14'.52 N	57°44'.99 W
156	65°11'.49 N	57°44'.22 W
157	65°08'.79 N	57°43'.69 W
158	65°06'.04 N	57°43'.95 W
159	64°12'.06 N	57°48'.09 W
160	64°04'.20 N	57°49'.01 W
161	63°57'.36 N	57°53'.40 W
162	63°52'.57 N	57°56'.46 W
163	63°50'.05 N	57°57'.01 W

POINT	LATITUDE	LONGITUDE
164	63°43'.99 N	57°58'.60 W
165	63°37'.16 N	58°01'.00 W
166	63°35'.02 N	58°01'.86 W
167	63°28'.62 N	57°59'.62 W
168	63°22'.86 N	57°57'.29 W
169	62°47'.14 N	57°40'.83 W
170	62°11'.35 N	57°25'.12 W
171	62°03'.47 N	57°22'.15 W
172	62°02'.23 N	57°21'.62 W
173	62°00'.39 N	57°20'.92 W
174	61°24'.74 N	57°16'.16 W
175	61°10'.14 N	57°38'.70 W
176	60°43'.56 N	57°17'.64 W
177	60°15'.36 N	57°04'.56 W
178	60°00'.00 N	56°43'.02 W
179	60°00'.00 N	64°09'.60 W