

RESOLUTION MEPC.392(82)
(adopted on 4 October 2024)

**AMENDMENTS TO THE ANNEX OF THE PROTOCOL OF 1997 TO AMEND THE
INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS,
1973, AS MODIFIED BY THE PROTOCOL OF 1978 RELATING THERETO**

Amendments to MARPOL Annex VI

**(Designation of the Canadian Arctic and the Norwegian Sea as Emission Control Areas
for Nitrogen Oxides, Sulphur Oxides and Particulate Matter, as appropriate)**

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the functions of the Marine Environment Protection Committee conferred upon it by international conventions for the prevention and control of marine pollution from ships,

RECALLING ALSO article 16 of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocols of 1978 and 1997 relating thereto (MARPOL), which specifies the amendment procedure and confers upon the appropriate body of the Organization the function of considering amendments thereto for adoption by the Parties,

HAVING CONSIDERED, at its eighty-second session, proposed amendments to MARPOL Annex VI concerning the designation of the Canadian Arctic and the Norwegian Sea as Emission Control Areas for Nitrogen Oxides, Sulphur Oxides and Particulate Matter, as appropriate, which were circulated in accordance with article 16(2)(a) of MARPOL,

1 ADOPTS, in accordance with article 16(2)(d) of MARPOL, amendments to MARPOL Annex VI, the text of which is set out in the annex to the present resolution;

2 DETERMINES, in accordance with articles 16(2)(f)(ii) and (iii) of MARPOL, that the amendments shall be deemed to have been accepted on 1 September 2025 unless prior to that date not less than one third of the Parties or Parties the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet have communicated to the Organization their objection to the amendments;

3 INVITES the Parties to note that, in accordance with article 16(2)(g)(ii) of MARPOL, the said amendments shall enter into force on 1 March 2026 upon their acceptance in accordance with paragraph 2 above;

4 REQUESTS the Secretary-General, for the purposes of article 16(2)(e) of MARPOL, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Parties to MARPOL;

5 ALSO REQUESTS the Secretary-General to transmit copies of the present resolution and its annex to Members of the Organization which are not Parties to MARPOL.

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ANNEX

AMENDMENTS TO MARPOL ANNEX VI

(Designation of the Canadian Arctic and the Norwegian Sea as Emission Control Areas for Nitrogen Oxides, Sulphur Oxides and Particulate Matter, as appropriate)

ANNEX VI

REGULATIONS FOR THE PREVENTION OF AIR POLLUTION FROM SHIPS

Regulation 13

Nitrogen oxides (NO_x)

Tier III

1 A new sub-paragraph .3 is added to regulation 13.5.1.2 as follows:

"3 1 March 2026 and is operating in the Norwegian Sea Emission Control Area. For the Norwegian Sea Emission Control Area, "ship constructed on or after 1 March 2026" means a ship:

.1 for which the building contract is placed on or after 1 March 2026;
or

.2 in the absence of a building contract, the keel of which is laid or which is at a similar stage of construction on or after 1 September 2026; or

.3 the delivery of which is on or after 1 March 2030."

2 Between paragraphs 5.1.2 and 5.1.3, the word "when" is added.

3 At the end of regulation 13.5.1.3, "." is replaced with ":" and a new sub-paragraph .1 is added as follows:

".1 that ship is constructed on or after 1 January 2025 and is operating in the Canadian Arctic Emission Control Area."

Emission control area

4 At the end of sub-paragraph.3 of regulation 13.6, the word "and" is deleted and at the end of sub-paragraph .4, "." is replaced with ";".

5 New sub-paragraphs .5 and .6 are added to regulation 13.6 as follows:

".5 the Canadian Arctic Emission Control area, which means the area described by the coordinates provided in appendix VII to this Annex; and

.6 the Norwegian Sea as defined in regulation 13.9.4 of Annex II of the present Convention."

Regulation 14

Sulphur oxides (SO_x) and particulate matter

Requirements within emission control areas

6 At the end of sub-paragraph .4 of regulation 14.3, the word "and" is deleted and, at the end of sub-paragraph .5, "." is replaced by ";".

7 New sub-paragraphs .6 and .7 of regulation 14.3 as follows:

.6 the Canadian Arctic Emission Control area, which means the area described by the coordinates provided in appendix VII to this Annex; and

.7 the Norwegian Sea as defined in regulation 13.9.4 of Annex II of the present Convention."

Appendix I

*Form of International Air Pollution Prevention (IAPP) Certificate
(regulation 8)*

**SUPPLEMENT TO INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE
(IAPP CERTIFICATE)**

RECORD OF CONSTRUCTION AND EQUIPMENT

7 Section 1.3 of the Supplement to the International Air Pollution Prevention Certificate is replaced by the following:

"1.3 Date of build

1.3.1 Date of building contract (*dd/mm/yyyy*)

1.3.2 Date on which keel was laid or ship was at a similar stage of construction (*dd/mm/yyyy*)

1.3.3 Date of delivery (*dd/mm/yyyy*)..... "

Appendix VII

*Emission control areas
(regulations 13.6 and 14.3)*

8 Paragraph 1 is replaced by the following:

"1 The boundaries of emission control areas designated under regulations 13.6 and 14.3, other than the Baltic Sea, the North Sea, and the Norwegian Sea areas, are set forth in this appendix."

9 New paragraph 5 is added after paragraph 4 as follows:

"5 The Canadian Arctic area comprises two segments:

- .1 starting at the Yukon mainland at 68°54'.00 N, 137°0'.00 W; following the coordinates listed below and ending at the north coast of Hans Island at 80°49'.91 N, 66°27'.40 W, connected by geodesic lines connecting the following coordinates in World Geodetic System 1984 (WGS84) datum:

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
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

<u>POINT</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
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 continuing from the south coast of Hans Island at 80°49'.29 N, 66°27'.04 W, following the coordinates listed below, and ending at the coast of Newfoundland and Labrador at 60°0'.00 N, 64°9'.60 W, connected by geodesic lines connecting the following coordinates in World Geodetic System 1984 (WGS84) datum:

<u>POINT</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
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

<u>POINT</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
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
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
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

<u>POINT</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
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
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

<u>POINT</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
162	63°52'.57 N	57°56'.46 W
163	63°50'.05 N	57°57'.01 W
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

RESOLUTION MEPC.407(84)
(adopted on 1 May 2026)

**AMENDMENTS TO THE ANNEX OF THE PROTOCOL OF 1997 TO AMEND
THE INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM
SHIPS, 1973, AS MODIFIED BY THE PROTOCOL OF 1978 RELATING THERETO**

Amendments to MARPOL Annex VI

**(Clarification of entries in data reporting required by regulations 27 and 28,
designation of the North-East Atlantic as an Emission Control Area for
Nitrogen Oxides, Sulphur Oxides and Particulate Matter, accessibility to
the IMO Ship Fuel Oil Consumption Database, and review clause of
the short-term GHG reduction measure)**

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the functions of the Marine Environment Protection Committee conferred upon it by international conventions for the prevention and control of marine pollution from ships,

RECALLING ALSO article 16 of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocols of 1978 and 1997 relating thereto (MARPOL), which specifies the amendment procedure and confers upon the appropriate body of the Organization the function of considering amendments thereto for adoption by the Parties,

HAVING CONSIDERED, at its eighty-fourth session, proposed amendments to MARPOL Annex VI concerning the clarification of entries in data reporting required by regulations 27 and 28, the designation of the North-East Atlantic as an Emission Control Area for Sulphur Oxides, Particulate Matter and Nitrogen Oxides, the accessibility of the IMO Ship Fuel Oil Consumption Database (IMO DCS), and the review clause of the short-term GHG reduction measure, which were circulated in accordance with article 16(2)(a) of MARPOL,

1 ADOPTS, in accordance with article 16(2)(d) of MARPOL, amendments to MARPOL Annex VI, the text of which is set out in the annex to the present resolution;

2 DETERMINES, in accordance with article 16(2)(f)(ii) and (iii) of MARPOL, that the amendments shall be deemed to have been accepted on 1 March 2027 unless prior to that date not less than one third of the Parties or Parties the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet have communicated to the Organization their objection to the amendments;

3 INVITES the Parties to note that, in accordance with article 16(2)(g)(ii) of MARPOL, the said amendments shall enter into force on 1 September 2027 upon their acceptance in accordance with paragraph 2 above;

4 REQUESTS the Secretary-General, for the purpose of article 16(2)(e) of MARPOL, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Parties to MARPOL;

5 ALSO REQUESTS the Secretary-General to transmit copies of the present resolution and its annex to Members of the Organization which are not Parties to MARPOL.

ANNEX

AMENDMENTS TO MARPOL ANNEX VI

(Clarification of entries in data reporting required by regulations 27 and 28, designation of the North-East Atlantic as an Emission Control Area for Nitrogen Oxides, Sulphur Oxides and Particulate Matter, accessibility to the IMO Ship Fuel Oil Consumption Database, and review clause of the short-term GHG reduction measure)

ANNEX VI

REGULATIONS FOR THE PREVENTION OF AIR POLLUTION FROM SHIPS

Regulation 13

Nitrogen oxides (NO_x)

Tier III

1 At the end of paragraph 5.1.3.1, "." is replaced with ";" and a new sub-paragraph .2 is added to paragraph 5.1.3, as follows:

"2 that ship is constructed on or after 1 January 2027 and is operating in the North-East Atlantic Emission Control Area. For the North-East Atlantic Emission Control Area, "ship constructed on or after 1 January 2027" means a ship:

- .1 for which the building contract is placed on or after 1 January 2027; or
- .2 in the absence of a building contract, the keel of which is laid or which is at a similar stage of construction on or after 1 July 2027; or
- .3 the delivery of which is on or after 1 January 2031."

Emission control area

2 At the end of sub-paragraph .5 of paragraph 6, the word "and" is deleted, and at the end of sub-paragraph .6 of paragraph 6, "." is replaced with "; and".

3 New sub-paragraph .7 is added to paragraph 6, as follows:

".7 the North-East Atlantic Emission Control Area, which means the area described by the coordinates provided in appendix VII to this Annex."

Regulation 14

Sulphur oxides (SO_x) and particulate matter

4 At the end of sub-paragraph .6 of paragraph 3, the word "and" is deleted, and at the end of sub-paragraph .7 of paragraph 3, "." is replaced with "; and".

5 New sub-paragraph .8 is added to paragraph 3, as follows:

"8 the North-East Atlantic Emission Control Area, which means the area described by the coordinates provided in appendix VII to this Annex."

Regulation 20

Goal

6 The paragraph is replaced by the following:

"The goal of this chapter is to reduce the carbon intensity of international shipping, working towards the levels of ambition set out in the 2023 IMO Strategy on Reduction of GHG Emissions from Ships."

Regulation 25

Required EEXI

7 Paragraph 3 is replaced by the following:

"3 This regulation shall be kept under review in light of its implementation, taking into account the 2023 IMO Strategy on Reduction of GHG Emissions from Ships."

Regulation 27

Collection and reporting of ship fuel oil consumption data

8 Paragraphs 11 to 15 are replaced by the following new paragraphs 11 to 16:

"11 The Secretary-General of the Organization shall grant the Administration of a ship or any organization duly authorized by it access to all the reported data for all the preceding calendar years in the IMO Ship Fuel Oil Consumption Database for that ship.

12 Parties shall have access to a non-anonymized database containing data for all ships to which this regulation applies strictly for their analysis and consideration. [provided that the particular Flag State agrees to grant such access.]

13 The Secretary-General of the Organization shall maintain an anonymized database such that identification of a specific ship will not be possible, and facilitate access to public user accounts.

14 The IMO Ship Fuel Oil Consumption Database shall be undertaken and managed by the Secretary-General of the Organization, pursuant to guidelines developed by the Organization.

15 On an ad hoc basis, the Secretary-General of the Organization may share data with analytical consultancies and research entities, under strict confidentiality rules.

16 The Secretary-General of the Organization, on the request of a company, shall grant access to the fuel oil consumption reports of the company's owned ship(s) in a non-anonymized form to the general public."

Regulation 28

Operational carbon intensity

Review

9 Paragraph 11 is replaced by the following:

"11 This regulation shall be kept under review in light of its implementation, taking into account the 2023 IMO Strategy on Reduction of GHG Emissions from Ships."

Appendix VII

Emission control areas (regulations 13.6 and 14.3)

10 New paragraphs 6 and 7 are inserted, as follows:

"6 The North-East Atlantic Emission Control Area includes the exclusive economic zones and territorial seas, extending up to 200 nautical miles from the baselines of Greenland, Iceland, the Faroes, Ireland, the mainlands of the United Kingdom, France, Spain and Portugal, as set out in paragraph 7 below. This designation excludes the seas bounded by the North Sea area, as defined in regulation 1.14.6 of Annex V of the present Convention.

7 The geographic outer boundaries of the North-East Atlantic Emission Control Area are delineated by a series of geodesic lines connecting specified coordinates of latitude and longitude. These coordinates are referenced to the World Geodetic System 1984 (WGS 1984) datum as outlined below:

- .1 the northernmost outer boundary of the North-East Atlantic Emission Control Area begins at the coordinate 86°19'.18 N, 60°10'.17 W, as outlined in regulation 14.3 and appendix VII of MARPOL Annex VI. From this point, the boundary extends eastward, following the outer boundaries of the exclusive economic zones of Iceland, the Faroes, and the eastern part of the mainland of the United Kingdom, until reaching the coordinate 62°00'.00 N, 01°22'.25 E, where it intersects with the northern boundary of the North Sea area. The boundary of this section is defined by connecting the following coordinates in sequential order:

Point	Latitude	Longitude
1	86°19'.18 N	60°10'.17 W
2	86°57'.80 N	37°45'.68 W
3	86°39'.87 N	12°26'.95 W
4	85°37'.64 N	01°00'.60 E
5	83°42'.56 N	07°58'.17 E
6	82°20'.92 N	05°51'.60 E
7	79°52'.93 N	01°38'.37 W
8	78°19'.00 N	03°20'.63 W
9	76°59'.35 N	02°49'.70 W
10	76°03'.97 N	04°27'.87 W
11	75°18'.13 N	04°17'.90 W
12	74°30'.64 N	04°50'.57 W
13	72°49'.62 N	11°28'.77 W
14	71°52'.99 N	12°46'.03 W

Point	Latitude	Longitude
15	69°54'.98 N	13°37'.77 W
16	69°35'.00 N	13°16'.00 W
17	69°34'.77 N	12°24'.42 W
18	69°09'.46 N	09°42'.43 W
19	68°20'.93 N	07°34'.34 W
20	67°30'.09 N	06°32'.60 W
21	66°24'.66 N	05°45'.14 W
22	65°41'.60 N	05°34'.40 W
23	65°15'.62 N	02°38'.26 W
24	64°26'.05 N	00°29'.18 W
25	63°53'.22 N	00°29'.44 W
26	62°53'.47 N	00°38'.36 E
27	62°00'.00 N	01°22'.25 E

- .2 continuing from the coordinate 62°00'.00 N, 01°22'.25 E, the boundary proceeds along the northwestern outer limits of the North Sea area, as defined in regulation 1.14.6 of Annex V of the present Convention. The boundary excludes the area south of latitude 62°00'.00 N and east of longitude 04°00'.00 W, connecting the following coordinates:

Point	Latitude	Longitude
27	62°00'.00 N	01°22'.25 E
28	62°00'.00 N	04°00'.00 W
29	58°33'.94 N	04°00'.00 W

- .3 continuing southward, the boundary follows the southwestern outer limits of the North Sea area, as defined in regulation 1.14.6 of Annex V of the present Convention, excluding the English Channel and its approaches eastward of longitude 05°00'.00 W and northward of latitude 48°30'.00 N, until the boundary reaches its southernmost coordinate at 48°30'.00 N, 05°00'.00 W.

Point	Latitude	Longitude
30	48°30'.00 N	05°00'.00 W

- .4 the following section of the North-East Atlantic Emission Control Area extends southward from the coordinate 48°30'.00 N, 05°00'.00 W, until it reaches the intersection of two boundaries: the line joining Cape Trafalgar, Spain (36°11'.00 N, 06°02'.00 W), and Cape Spartel, Morocco (35°48'.00 N, 05°55'.00 W), as outlined in regulation 14.3 and this appendix; and the eastern outer limit of Spain's mainland exclusive economic zone at the coordinate 35°57'.59 N, 05°58'.27 W. This section of the North-East Atlantic Emission Control Area encompasses the waters within the exclusive economic zones and territorial seas of the mainland territories of France, Portugal, and Spain. The area is bounded to the east by the coasts of these countries and to the west by the outer limits of their

respective exclusive economic zones. The coordinates defining the outer limits, extending from the southernmost points northward, are as follows:

Point	Latitude	Longitude
31	35°57'.59 N	05°58'.27 W
32	35°57'.88 N	06°02'.14 W
33	35°57'.94 N	06°03'.00 W
34	35°57'.98 N	06°03'.48 W
35	35°58'.09 N	06°04'.90 W
36	35°55'.91 N	06°16'.72 W
37	35°54'.85 N	06°22'.58 W
38	35°54'.63 N	06°23'.83 W
39	35°53'.50 N	06°30'.25 W
40	35°53'.34 N	06°31'.23 W
41	35°52'.13 N	06°38'.74 W
42	35°51'.94 N	06°39'.54 W
43	35°49'.70 N	06°48'.66 W
44	35°49'.60 N	06°49'.22 W
45	35°49'.18 N	06°51'.55 W
46	35°48'.61 N	06°59'.14 W
47	35°48'.51 N	06°59'.81 W
48	35°47'.62 N	07°06'.03 W
49	35°46'.01 N	07°31'.75 W
50	35°46'.00 N	07°32'.00 W
51	35°26'.00 N	08°05'.00 W
52	35°19'.00 N	08°21'.00 W
53	35°11'.00 N	08°53'.00 W
54	35°07'.00 N	09°13'.00 W
55	35°01'.00 N	10°30'.00 W
56	34°55'.00 N	11°40'.00 W
57	34°57'.00 N	12°17'.00 W
58	37°00'.00 N	13°09'.00 W
59	38°10'.00 N	13°42'.00 W
60	38°43'.00 N	13°46'.00 W
61	41°09'.00 N	13°16'.00 W
62	41°23'.77 N	13°18'.00 W
63	41°24'.03 N	13°17'.61 W
64	41°24'.04 N	13°17'.61 W
65	41°28'.00 N	13°18'.00 W
66	41°29'.12 N	13°19'.54 W
67	41°30'.12 N	13°20'.50 W

Point	Latitude	Longitude
68	41°30'.99 N	13°21'.34 W
69	41°35'.55 N	13°25'.32 W
70	41°44'.00 N	13°30'.10 W
71	41°54'.17 N	13°35'.21 W
72	42°04'.57 N	13°39'.38 W
73	42°15'.70 N	13°43'.28 W
74	42°24'.69 N	13°45'.77 W
75	42°31'.79 N	13°47'.34 W
76	42°39'.44 N	13°48'.60 W
77	42°52'.53 N	13°50'.12 W
78	43°00'.67 N	13°50'.66 W
79	43°09'.85 N	13°50'.86 W
80	43°18'.03 N	13°50'.54 W
81	43°27'.44 N	13°49'.62 W
82	43°41'.45 N	13°47'.12 W
83	43°57'.73 N	13°42'.42 W
84	44°10'.36 N	13°37'.36 W
85	44°20'.93 N	13°32'.09 W
86	44°25'.70 N	13°29'.41 W
87	44°33'.99 N	13°24'.15 W
88	44°43'.13 N	13°17'.74 W
89	44°55'.81 N	13°08'.03 W
90	45°01'.23 N	13°03'.33 W
91	45°01'.37 N	13°03'.21 W
92	45°07'.52 N	12°57'.42 W
93	45°14'.79 N	12°49'.94 W
94	45°22'.20 N	12°41'.48 W
95	45°29'.33 N	12°32'.60 W
96	45°35'.60 N	12°23'.73 W
97	45°43'.59 N	12°11'.30 W
98	45°50'.60 N	11°59'.37 W
99	46°02'.77 N	11°37'.11 W
100	46°08'.97 N	11°24'.71 W
101	46°15'.55 N	11°09'.69 W
102	46°21'.12 N	10°55'.44 W
103	46°25'.27 N	10°47'.40 W
104	46°29'.31 N	10°39'.08 W

Point	Latitude	Longitude
105	46°32'.75 N	10°31'.66 W
106	46°37'.94 N	10°19'.19 W
107	46°42'.62 N	10°06'.98 W

Point	Latitude	Longitude
108	46°45'.83 N	09°58'.26 W
109	46°48'.86 N	09°48'.96 W
110	46°52'.16 N	09°37'.92 W
111	46°52'.73 N	09°35'.99 W

.5 continuing from the coordinate 46°52'.73 N, 09°35'.99 W, the boundary proceeds in a northern direction, following the western outer limits of the exclusive economic zones of the mainlands of the United Kingdom, Ireland, Iceland, the Faroes, and Greenland, until it reaches the southernmost intersection of the exclusive economic zone of Greenland and the Canadian Arctic Emission Control Area, at the coordinate 61°24'.74 N, 57°16'.16 W, as detailed in regulation 14.3 and this appendix. The coordinates for this section are as follows:

Point	Latitude	Longitude
112	48°10'.49 N	10°48'.56 W
113	48°10'.81 N	10°48'.56 W
114	48°36'.38 N	12°36'.48 W
115	49°12'.41 N	13°56'.75 W
116	49°41'.42 N	14°39'.12 W
117	50°07'.69 N	15°08'.26 W
118	50°34'.07 N	15°29'.32 W
119	51°17'.55 N	15°54'.73 W
120	51°43'.99 N	16°02'.88 W
121	52°11'.47 N	16°05'.45 W
122	52°41'.54 N	16°01'.85 W
123	53°10'.97 N	15°50'.66 W
124	54°05'.16 N	16°00'.59 W
125	54°45'.40 N	15°55'.82 W
126	55°13'.09 N	15°43'.87 W
127	55°38'.99 N	15°25'.22 W
128	56°12'.21 N	14°50'.96 W
129	56°34'.63 N	14°19'.86 W
130	56°57'.19 N	14°36'.16 W
131	57°25'.36 N	14°48'.11 W
132	57°46'.48 N	14°52'.42 W
133	58°10'.58 N	14°52'.18 W
134	58°37'.54 N	14°47'.13 W

Point	Latitude	Longitude
135	59°08'.50 N	14°29'.17 W
136	59°36'.59 N	14°03'.25 W
137	59°55'.59 N	13°37'.56 W
138	60°09'.13 N	13°16'.39 W
139	60°42'.23 N	14°00'.03 W
140	60°09'.28 N	17°03'.21 W
141	59°58'.44 N	20°22'.34 W
142	60°03'.00 N	22°08'.29 W
143	60°31'.10 N	25°30'.33 W
144	60°55'.19 N	27°17'.15 W
145	61°31'.52 N	28°48'.06 W
146	62°14'.11 N	29°52'.18 W
147	63°18'.12 N	30°52'.05 W
148	62°30'.13 N	33°39'.15 W
149	61°24'.86 N	35°02'.45 W
150	58°10'.71 N	37°39'.21 W
151	57°12'.46 N	39°29'.13 W
152	56°31'.75 N	42°11'.97 W
153	56°23'.72 N	44°27'.68 W
154	56°42'.83 N	47°08'.20 W
155	57°52'.48 N	51°48'.36 W
156	58°41'.66 N	53°40'.40 W
157	61°24'.74 N	57°16'.16 W

.6 continuing along the outer boundary of the Canadian Arctic Emission Control Area until ending at the south coast of Hans Island

(Tartupaluk) at 80°49'.29 N, 66°27'.04 W. The coordinates for this section refer sequentially from Point No.174 through Point No.51 in the table in paragraph 5.2 of appendix VII of MARPOL Annex VI.

- .7 continuing from the north coast of Hans Island (Tartupaluk) at 80°49'.91 N, 66°27'.40 W along the outer boundary of the Canadian Arctic Emission Control Area, until reaching the northernmost outer boundary of the North East Atlantic Emission Control Area at the coordinates 86°19'.18 N, 60°10'.17 W. The coordinates for this section refer sequentially from Point No.50 through Point No.23 in the table in paragraph 5.1 of appendix VII of MARPOL Annex VI.

Appendix IX

Information to be submitted to the IMO Ship Fuel Oil Consumption Database (regulation 27)

- 11 The section "Identity of the ship" is replaced by the following: "**Identity of the ship**
IMO number
Period of calendar year for which the data is submitted.....
For the purpose of regulation 27:
Start date (dd/mm/yyyy)
End date (dd/mm/yyyy).....
For the purpose of regulation 28:
Start date (dd/mm/yyyy)
..... End date
(dd/mm/yyyy)..... "

- 12 In the section on "Fuel oil consumption data", the term "Oil-fired Boiler(s)" is replaced by "Fired Boiler(s)".

