

Description of the recommended route S

- (g) Recommended route S, the route between Skagen and the entrance to the Sound and recommended for ships with a draught of 10 metres or less, is established:
- i between the precautionary area "at Kummel Bank" described in paragraph (c) and the traffic separation scheme "Fladen" with a central line between the following geographical positions:

(94) 57°26'.39 N, 011°30'.98 E	(95) 57°14'.60 N, 011°51'.22 E
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 - ii between the traffic separation schemes "Fladen" and "Lilla Middelgrund" with a central line between the following geographical positions:

(96) 57°13'.09 N, 011°53'.30 E	(97) 56°56'.29 N, 012°03'.89 E
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 - iii between the traffic separation schemes "Lilla Middelgrund" and "Entrance to the Sound" with a central line between the following geographical positions:

(98) 56°55'.16 N, 012°04'.59 E	(49) 56°10'.92 N, 012°24'.95 E
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TWO-WAY ROUTES, PRECAUTIONARY AREAS AND AREAS TO BE AVOIDED "IN THE BERING SEA AND BERING STRAIT"

(Reference charts: See table below.)

Note: All geographical positions are based on World Geodetic System 1984 Datum (WGS 84.)

Note: These routing measures are recommended for ships of 400 gross tonnage and upwards.

Description of the two-way routes and precautionary areas

Six (6) recommendatory two-way routes and six (6) precautionary areas are established in the Bering Sea and Bering Strait.

A list of the geographical coordinates of the two way routes and precautionary areas is provided below.

- (a) A precautionary area "A" is established, the waters contained within a circle of radius 4.00 miles centred at geographical position 58°45'.00 N, 167°27'.81 W.
- (b) A two-way route, connecting with precautionary area "A" and precautionary area "B", is established between the following geographical positions:

(1) 58°48'.91 N 167°26'.26 W	(7) 64°55'.19 N 168° 27'.77 W
(2) 60°10'.86 N 168°19'.58 W	(8) 63°29'.57 N 167° 42'.57 W
(3) 61°29'.47 N 167°35'.89 W	(9) 62°25'.26 N 167° 11'.99 W
(4) 62°25'.14 N 167°03'.13 W	(10) 61°30'.52 N 167° 43'.95 W
(5) 63°30'.44 N 167°33'.86 W	(11) 60°10'.74 N 168° 27'.94 W
(6) 64°56'.08 N 168°18'.60 W	(12) 58°47'.65 N 167° 33'.56 W

- (c) A precautionary area "B" is established, which is bounded by a line connecting the following geographical positions:

(6) 64°56'.08 N 168°18'.60 W	(16) 65°02'.60 N 168°37'.28 W
(13) 64°59'.22 N 168°20'.29 W	(17) 64°58'.14 N 168°29'.36 W
(14) 65°05'.00 N 168°20'.30 W	(7) 64°55'.19 N 168°27'.77 W
(15) 65°05'.00 N 168°29'.75 W	

thence back to the point of beginning (6).

- (d) A two-way route, connecting with precautionary area "B" and precautionary area "C", is established between the following geographical positions:

(14) 65°05'.00 N 168°20'.30 W	(19) 66°26'.57 N 168°29'.75 W
(18) 66°26'.57 N 168°20'.30 W	(15) 65°05'.00 N 168°29'.75 W

- (e) A precautionary area "C" is established, the waters contained within a circle of radius 4.00 miles centred at geographical position 66°30'.00 N, 168°25'.00 W.

- (f) A two-way route, connecting with precautionary area "C" and precautionary area "D", is established between the following geographical positions:

(20) 66°30'.64 N 168°34'.79 W	(22) 66° 20'.83 N 169°11'.21 W
(21) 66°24'.59 N 169°14'.72 W	(23) 66° 26'.90 N 168°31'.34 W

- (g) A precautionary area "D" is established, the waters contained within a circle of radius 4.00 miles centred at geographical position 66°21'.50 N, 169°21'.00 W.

- (h) A two-way route, connecting with precautionary area "D" and precautionary area "E", is established between the following geographical positions:

(24) 66°18'.05 N 169°16'.11 W	(26) 65°56'.20 N 169°25'.87 W
(25) 66°18'.05 N 169°25'.87 W	(27) 65°56'.20 N 169°16'.11 W

- (i) A precautionary area "E" is established, which is bounded by a line connecting the following geographical positions:

(26) 65°56'.20 N 169°25'.87 W	(29) 65°45'.52 N 169°25'.87 W
(27) 65°56'.20 N 169°16'.11 W	(30) 65°47'.69 N 169°34'.01 W
(28) 65°45'.52 N 169°16'.11 W	(31) 65°52'.82 N 169°25'.87 W

thence back to the point of beginning (26).

- (j) A two-way route, connecting with precautionary area "E" and precautionary area "B", is established between the following geographical positions:

(28) 65°45'.52 N 169°16'.11 W	(16) 65°02'.60 N 168°37'.28 W
(29) 65°45'.52 N 169°25'.87 W	(15) 65°05'.00 N 168°29'.75 W
(32) 65°29'.65 N 169°25'.87 W	(33) 65°30'.71 N 169°16'.11 W

- (k) A two-way route, connecting with precautionary area "E" and precautionary area "F", is established between the following geographical positions:

(29) 65°45'.52 N 169°25'.87 W	(34) 64°28'.31 N 171°36'.35 W
(30) 65°47'.69 N 169°34'.01 W	(35) 64°26'.14 N 171°28'.60 W

- (l) A precautionary area "F" is established, the waters contained within a circle of radius 4.00 miles centred at geographical position 64°24'.36 N, 171°36'.61W.

Description of the areas to be avoided

Three (3) recommendatory areas to be avoided are established in the Bering Sea.

- (m) *Nunivak Island*

An area to be avoided is established bounded by a line connecting the following geographical positions:

(1) 60° 17'.05 N 167° 37'.80 W	(4) 59° 32'.80 N 165° 28'.80 W
(2) 59° 54'.89 N 167° 40'.98 W	(5) 60° 39'.86 N 165° 41'.70 W
(3) 59° 41'.44 N 166° 49'.08 W	

thence back to point (1).

- (n) *King Island*

(6) 65° 03'.12 N 168° 19'.56 W	(8) 64° 53'.54 N 167° 46'.98 W
(7) 64° 51'.01 N 168° 14'.82 W	(9) 65° 05'.53 N 167° 52'.92 W

thence back to point (6).

- (o) *St. Lawrence Island*

(10) 63° 08'.57 N 173° 31'.02 W	(14) 63° 17'.99 N 168° 12'.54 W
(11) 62° 44'.38 N 168° 58'.32 W	(15) 63° 59'.95 N 171° 06'.18 W
(12) 62° 46'.14 N 168° 21'.24 W	(16) 63° 54'.80 N 171° 50'.94 W
(13) 63° 01'.78 N 168° 04'.38 W	

thence back to point (10).

**Reference charts
(Names, numbers and edition)**

Name	Type	Title	Producer	Nav. purpose (Scale)	Issue Date
RU2O9091	SENC	Chukchi Sea and Bearing Sea Chukotskiy Peninsula Senyavin Strait to Netten Point	DNO ⁵	General 1:700000	3-12-2016
RU3O90B9	SENC	Bering Sea - Chukotskiy Peninsula – Ulakhpen Point to Penkigngey Bay	DNO	Coastal 1:180000	26-2-2011
RU3OE090	SENC	Bering Sea – Chukotskiy Peninsula Nygchigen Point to Litke Point	DNO	Coastal 1:180000	28-5-2011
RU3OH0B0	SENC	Chukchi Sea. Chukotskiy Peninsula. Dzhennretlen Point to Dezhnyoy Point.	DNO	Coastal 1:180000	7-4-2007
RU4OH1S0	SENC	Bering Sea- Bering Strait – Diomede Islands – Approaches to Ratmanov Island	DNO	Approach 1:22000	28-5-2011
US1BS03M	SENC	Bering Sea Northern Part	NOS ⁶	Overview 1:3500000	31-5-2017
US2AK92M	SENC	Cape Prince of Wales to Pt. Barrow	NOS	General 1:700000	3-8-2017
US2AK95M	SENC	Bering Sea-eastern part	NOS	General 1:1534076	3-8-2017
US3AK80M	SENC	Norton Sound Golovnin Bay	NOS	Coastal 1:350000	30-5-2017
US3AK89M	SENC	Bering Sea St. Lawrence Island to Bering Strait	NOS	Coastal 1:315350	30-5-2017
US4AK81M	SENC	Port Clarence and Approaches	NOS	Approach 1:100000	27-4-2016
US4AK8DM	SENC	Bering Strait North	NOS	Approach 1:100000	30-5-2017

⁵ Russian Head Department of Navigation & Oceanography.

⁶ United States Office of Coast Survey National Ocean Service. National Oceanic and Atmospheric Administration.