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COLREG.2/Circ.71  
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### **NEW TRAFFIC SEPARATION SCHEMES**

1 The Maritime Safety Committee, at its ninety-ninth session (16 to 25 May 2018), adopted, in accordance with the *Procedure for the adoption and amendment of traffic separation schemes, routeing measures other than traffic separation schemes, including designation and substitution of archipelagic sea lanes, and ship reporting systems* (resolution A.858(20)), new traffic separation schemes and associated measures listed in the annex as follows:

- .1 "In Dangan Channel"; and
- .2 "In the vicinity of Kattegat".

2 Accordingly, the new traffic separation schemes and associated routeing measures listed in:

- .1 subparagraph 1.1 above should be implemented on 1 December 2018; and
- .2 subparagraph 1.2 above should be implemented on 1 July 2020.

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## ANNEX

### NEW TRAFFIC SEPARATION SCHEMES AND ASSOCIATED MEASURES

#### "IN THE DANGAN CHANNEL"

(Reference charts: Chinese charts 83001 and 84001, 2nd edition, 2015.

Note: These charts are based on World Geodetic System 1984 datum (WGS 84).)

#### Description of the traffic separation schemes

##### Dangan Channel East

- (a) A separation zone, 0.5 nautical mile wide, is bounded by a line connecting the following geographical positions:

(1) 22°07'.42N, 114°20'.55E	(3) 22°07'.21N, 114°15'.31E
(2) 22°07'.71N, 114°15'.31E	(4) 22°06'.92N, 114°20'.55E

- (b) A separation line connects the following geographical positions:

(5) 22°08'.02N, 114°20'.55E	(6) 22°08'.31N, 114°15'.31E
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- (c) A separation line connects the following geographical positions:

(7) 22°06'.60N, 114°15'.31E	(8) 22°06'.31N, 114°20'.55E
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- (d) A 0.6 nautical mile wide traffic lane for westbound traffic is established between the separation zone in paragraph (a) and the separation line in paragraph (b). The main traffic direction is 273°(T).

- (e) A 0.6 nautical mile wide traffic lane for eastbound traffic is established between the separation zone in paragraph (a) and the separation line in paragraph (c). The main traffic direction is 093°(T).

##### Dangan Channel West

- (f) A separation zone, 0.5 nautical mile wide, is bounded by a line connecting the following geographical positions:

(9) 22°07'.90N, 114°11'.77E	(11) 22°07'.70N, 114°06'.45E
(10) 22°08'.20N, 114°06'.45E	(12) 22°07'.40N, 114°11'.77E

- (g) A separation line connects the following geographical positions:

(13) 22°08'.51N, 114°11'.77E	(14) 22°08'.80N, 114°06'.45E
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- (h) A separation line connects the following geographical positions:

(15) 22°07'.09N, 114°06'.45E	(16) 22°06'.80N, 114°11'.77E
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- (i) A 0.6 nautical mile wide traffic lane for westbound traffic is established between the separation zone in paragraph (f) and the separation line in paragraph (g). The main traffic direction is 273°(T).

- (j) A 0.6 nautical mile wide traffic lane for eastbound traffic is established between the separation zone in paragraph (f) and the separation line in paragraph (h). The main traffic direction is 093°(T).

#### **Precautionary area Dangan Channel No. 1**

- (k) The precautionary area Dangan Channel No. 1 is bounded by a line connecting the following geographical positions:

(18) 22°07'.90N, 114°22'.70E	(4) 22°06'.92N, 114°20'.55E
(5) 22°08'.02N, 114°20'.55E	(8) 22°06'.31N, 114°20'.55E
(1) 22°07'.42N, 114°20'.55E	(17) 22°06'.19N, 114°22'.70E

#### **Precautionary area Dangan Channel No. 2**

- (l) The precautionary area Dangan Channel No. 2 is bounded by a line connecting the following geographical positions:

(6) 22°08'.31N, 114°15'.31E	(12) 22°07'.40N, 114°11'.77E
(19) 22°08'.91N, 114°14'.16E	(16) 22°06'.80N, 114°11'.77E
(20) 22°08'.91N, 114°12'.04E	(7) 22°06'.60N, 114°15'.31E
(13) 22°08'.51N, 114°11'.77E	(3) 22°07'.21N, 114°15'.31E
(9) 22°07'.90N, 114°11'.77E	(2) 22°07'.71N, 114°15'.31E

- (m) The light vessel in precautionary area No. 2 is located at the following geographical position:

(21) 22°07'.61N, 114°13'.54E

**Note:** Recommended directions of traffic flow<sup>1</sup> in precautionary area Dangan Channel No. 2 are established.

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<sup>1</sup> See SN.1/Circ.336, paragraph 1.2 and annex 2.



**Description of the inshore traffic zone "at Skagen"**

- (i) The area bounded by a line connecting the following geographical positions is designated as an inshore traffic zone:

(27) 57°44'.06 N, 010°32'.08 E	(23) 57°47'.64 N, 010°44'.10 E
(8) 57°47'.45 N, 010°32'.08 E	(24) 57°46'.83 N, 010°45'.50 E
(7) 57°47'.45 N, 010°35'.82 E	(25) 57°42'.24 N, 010°44'.92 E
(22) 57°47'.66 N, 010°35'.90 E	(26) 57°42'.23 N, 010°33'.11 E

**Description of the precautionary area "off Skagen"**

- (j) A precautionary area is established by a line connecting the following geographical positions:

(10) 57°52'.13 N, 010°37'.74 E	(24) 57°46'.83 N, 010°45'.50 E
(28) 57°52'.13 N, 010°52'.07 E	(23) 57°47'.64 N, 010°44'.10 E
(20) 57°49'.75 N, 010°56'.23 E	(22) 57°47'.66 N, 010°35'.90 E
(15) 57°46'.70 N, 010°50'.06 E	

**Description of the traffic separation scheme "Fladen"**

- (k) A separation zone is bounded by a line connecting the following geographical positions:

(29) 57°14'.68 N, 011°51'.37 E	(32) 57°13'.05 N, 011°53'.11 E
(30) 57°13'.81 N, 011°52'.85 E	(33) 57°13'.66 N, 011°52'.56 E
(31) 57°13'.12 N, 011°53'.49 E	(34) 57°14'.53 N, 011°51'.08 E

- (l) A traffic lane for southbound traffic is established between the separation zone described in paragraph (k) and a line connecting the following geographical positions:

(35) 57°13'.80 N, 011°49'.62 E	(37) 57°12'.72 N, 011°51'.22 E
(36) 57°12'.93 N, 011°51'.10 E	

- (m) A traffic lane for northbound traffic is established between the separation zone described in paragraph (k) and a line connecting the following geographical positions:

(38) 57°15'.41 N, 011°52'.83 E	(40) 57°13'.47 N, 011°55'.37 E
(39) 57°14'.54 N, 011°54'.31 E	

**Description of the traffic separation scheme "Lilla Middelgrund"**

- (n) A separation zone is bounded by a line connecting the following geographical positions:

(41) 56°56'.40 N, 012°04'.49 E	(43) 56°55'.04 N, 012°03'.99 E
(42) 56°55'.27 N, 012°05'.20 E	(44) 56°56'.17 N, 012°03'.28 E

- (o) A traffic lane for southbound traffic is established between the separation zone described in paragraph (n) and a line connecting the following geographical positions:

(45) 56°55'.73 N, 012°01'.01 E	(46) 56°54'.61 N, 012°01'.72 E
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- (p) A traffic lane for northbound traffic is established between the separation zone described in paragraph (n) and a line connecting the following geographical positions:

(47) 56°56'.83 N, 012°06'.77 E                      (48) 56°55'.71 N, 012°07'.45 E

**Description of the traffic separation scheme "Entrance to the Sound"**

- (q) A separation zone is bounded by a line connecting the following geographical positions:

(49) 56°10'.92 N, 012°24'.95 E                      (51) 56°09'.19 N, 012°27'.23 E  
(50) 56°09'.33 N, 012°27'.46 E                      (52) 56°10'.16 N, 012°25'.23 E

- (r) A separation zone is bounded by a line connecting the following geographical positions:

(53) 56°09'.93 N, 012°23'.20 E                      (55) 56°08'.40 N, 012°25'.86 E  
(54) 56°08'.54 N, 012°26'.11 E                      (56) 56°09'.78 N, 012°22'.94 E

- (s) A separation zone is bounded by a line connecting the following geographical positions:

(57) 56°11'.38 N, 012°27'.73 E                      (60) 56°09'.99 N, 012°28'.58 E  
(58) 56°10'.61 N, 012°28'.09 E                      (61) 56°10'.50 N, 012°27'.77 E  
(59) 56°10'.13 N, 012°28'.82 E                      (62) 56°11'.32 N, 012°27'.39 E

- (t) A traffic lane for southbound traffic is established between the separation zones described in paragraphs (q) and (r).

- (u) A traffic lane for northbound traffic is established between the separation zones described in paragraphs (q) and (s).

**Description of the inshore traffic zone "Entrance to the Sound West"**

- (v) The area bounded by a line connecting the following geographical positions is designated as an inshore traffic zone:

(63) 56°07'.71 N, 012°16'.76 E                      (55) 56°08'.40 N, 012°25'.86 E  
(56) 56°09'.78 N, 012°22'.94 E                      (64) 56°06'.38 N, 012°22'.38 E

**Description of the inshore traffic zone "Entrance to the Sound East"**

- (w) The area bounded by a line connecting the following geographical positions is designated as an inshore traffic zone:

(66) 56°11'.67 N, 012°33'.26 E                      (57) 56°11'.38 N, 012°27'.73 E  
(59) 56°10'.13 N, 012°28'.82 E                      (65) 56°13'.67 N, 012°32'.29 E  
(58) 56°10'.61 N, 012°28'.09 E