



Ref. T2/2.07

NEW TRAFFIC SEPARATION SCHEMES

1 The Secretary-General has the honour to state that, pursuant to Assembly resolution A.376(X), the Maritime Safety Committee, at its sixty-first session (7 to 11 December 1992), adopted the following new traffic separation schemes (MSC 61/21, annex 13) details of which are attached:

- "In the entrance to the Gulf of Aqaba";
- "In Prince William Sound, Alaska"; and
- "In Puget Sound and its Approaches".

2 The TSS "In the entrance to the Gulf of Aqaba" will be implemented on a date to be established in accordance with section 3.5 of the General Provisions on Ships' Routeing following:

- .1 an appropriate hydrographic survey being carried out in the Grafton Passage in accordance with IHO criteria; and
- .2 the establishment of the navigational aids prescribed in the annex to the description of the scheme.

The TSS "In Puget Sound and its Approaches" and "In Prince William Sound, Alaska" will be implemented at 0000 hours UTC on 10 June 1993.

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ANNEXIN THE ENTRANCE TO THE GULF OF AQABA

(Reference chart: British Admiralty 3595, 1986 edition)

Note: This chart is based on European Datum)

Description of the traffic separation scheme

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

(1)	28°01'.00 N,	34°27'.38 E	(3)	27°57'.00 N,	34°27'.75 E
(2)	27°57'.00 N,	34°26'.45 E	(4)	28°01'.00 N,	34°28'.69 E

(b) A traffic lane for southbound traffic is established between the separation zone and the line joining the following geographical positions:

(5)	28°01'.00 N,	34°26'.81 E
(6)	27°57'.00 N,	34°25'.88 E

(c) A traffic lane for northbound traffic is established between the separation zone and the line joining the following geographical positions:

(7)	27°57'.00 N,	34°28'.22 E
(8)	28°01'.00 N,	34°29'.15 E

AIDS TO NAVIGATION FOR THE ENTRANCE TO THE GULF OF AQABA

Station	Co-ordinates		Light Characteristics Colour	Rhythm	Range (N.M.) T=0.74	RACON Radio Mon.	Tower-Daymark
	LAT. (N)	Long (E)					
Northbound channel	Chisholm Point	27°57'.00	34°30'.20	White	F1(2+1)20s	9 Racon Mo. (C) + Rad.Mon.	10m GRP-Pigmented White
	Reef west of Johnson Point	28°00'.00	34°29'.02	Green	F1.10s	5 Rad.Mon.	5m GRP-Pigmented Green
	Reef NW of Johnson Point	28°00'.94	34°29'.20	Green	F1(2)20s	5 Rad.Mon.	5m GRP-Pigmented Upper half green, lower white
	Jackson Reef (East)	28°00'.58	34°28'.55	Red	F1.10s	5 Rad.Mon.	5m GRP-Pigmented Red. Synchronized with W.Johnson
Southbound channel	Ras Nusrani	27°58'.89	34°26'.16	White Green	F1.10s Occ.5+2	15 5 Racon Mo (Y) + Rad.Mon	10m.GRP-Pigmented Green
	Gordon (West)	27°59'.25	34°26'.99	Red	Occ.5+2	5 Racon Mo (G) + Rad.+Mon.	10m GRP-Pigmented Red over white. Light synchronized with G.Light of Ras Nusrani

IN PRINCE WILLIAM SOUND, ALASKA

(Reference Chart: United States 16700, 1992 edition)

Note: This chart is based on North American 1983 Geodetic Datum)

Description of the traffic separation scheme

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

- (1) 60°58'.68 N, 146°47'.95 W
- (2) 60°49'.75 N, 147°02'.22 W
- (3) 60°34'.67 N, 147°05'.38 W
- (4) 60°17'.03 N, 146°49'.42 W
- (5) 60°16'.28 N, 146°46'.58 W
- (6) 60°34'.85 N, 147°03'.35 W
- (7) 60°49'.35 N, 147°00'.25 W
- (8) 60°58'.40 N, 146°47'.15 W

(b) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

- (9) 60°58'.12 N, 146°46'.38 W
- (10) 60°49'.08 N, 146°58'.82 W
- (11) 60°34'.95 N, 147°01'.82 W
- (12) 60°15'.70 N, 146°44'.45 W

(c) A traffic lane for southbound traffic is established between the separation zone and a line connecting the following geographical positions:

- (13) 60°17'.58 N, 146°51'.45 W
- (14) 60°34'.55 N, 146°06'.92 W
- (15) 60°50'.03 N, 147°03'.70 W
- (16) 60°58'.98 N, 146°48'.73 W

IN PUGET SOUND AND ITS APPROACHES

(Reference Charts: United States 18421, 1991 edition; 18440, 1991 edition)

Note: These charts are based on North American 1983 Geodetic Datum)

The traffic separation scheme in Puget Sound and its Approaches consists of a series of traffic separation schemes and precautionary areas broken into three geographical designations as follows:

- Part I: Rosario Strait
- Part II: Approaches to Puget Sound
- Part III: Puget Sound

Description of the traffic separation schemesPart I: Traffic Separation Scheme in Rosario Strait

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

- | | | | |
|------------------|--------------|------------------|--------------|
| (1) 48°47'.10 N, | 122°51'.37 W | (4) 48°45'.72 N, | 122°48'.27 W |
| (2) 48°46'.50 N, | 122°49'.98 W | (5) 48°46'.27 N, | 122°50'.08 W |
| (3) 48°45'.97 N, | 122°48'.12 W | (6) 48°46'.90 N, | 122°51'.40 W |

(b) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

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|------------------|--------------|------------------|--------------|
| (7) 48°50'.33 N, | 122°53'.57 W | (9) 48°46'.35 N, | 122°47'.50 W |
| (8) 48°47'.13 N, | 122°50'.08 W | | |

(c) A traffic lane for southbound traffic is established between the separation zone and a line connecting the following geographical positions:

- | | | | |
|-------------------|--------------|-------------------|--------------|
| (10) 48°44'.95 N, | 122°48'.28 W | (12) 48°47'.78 N, | 122°56'.60 W |
| (11) 48°46'.83 N, | 122°53'.42 W | | |

(d) Connecting with precautionary area "CA". The waters contained within a circle of radius 1.24 miles centred at geographical position 48°45'.30 N, 122°46'.50 W

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

- | | | | |
|-------------------|--------------|-------------------|--------------|
| (13) 48°44'.27 N, | 122°45'.53 W | (15) 48°41'.60 N, | 122°43'.82 W |
| (14) 48°41'.72 N, | 122°43'.50 W | (16) 48°44'.17 N, | 122°45'.87 W |

(f) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

- | | | | |
|-------------------|--------------|-------------------|--------------|
| (17) 48°44'.62 N, | 122°44'.62 W | (18) 48°41'.80 N, | 122°42'.70 W |
|-------------------|--------------|-------------------|--------------|

(g) A traffic lane for southbound traffic is established between the separation zone and a line connecting the following geographical positions:

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|-------------------|--------------|-------------------|--------------|
| (19) 48°44'.08 N, | 122°46'.65 W | (20) 48°41'.25 N, | 122°44'.37 W |
|-------------------|--------------|-------------------|--------------|

(h) Connecting with precautionary area "C". The waters contained within a circle of radius 1.24 miles centred at geographical position 48°40'.55 N, 122°42'.80 W

(i) A two-way traffic lane is established between the following geographical positions:

- | | | | |
|-------------------|--------------|-------------------|--------------|
| (21) 48°39'.33 N, | 122°42'.73 W | (25) 48°29'.48 N, | 122°44'.77 W |
| (22) 48°36'.08 N, | 122°45'.00 W | (26) 48°36'.13 N, | 122°45'.80 W |
| (23) 48°26'.70 N, | 122°43'.53 W | (27) 48°38'.38 N, | 122°44'.20 W |
| (24) 48°27'.62 N, | 122°45'.53 W | (28) 48°39'.63 N, | 122°44'.03 W |

(j) Connecting with precautionary area "RB". The waters contained within a circle of radius 1.24 miles centred at geographical position 48°26'.38 N, 122°45'.27 W

Part II: Traffic Separation Scheme in the Approaches to Puget Sound

The traffic separation scheme in the Approaches to Puget Sound consists of a northeast/southwest approach, a northwest/southeast approach, a north/south approach and an east/west approach connecting with the precautionary areas, as follows:

Northeast/Southwest Approach

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

(29) 48°25'.37 N, 122°46'.35 W	(32) 48°20'.53 N, 122°57'.22 W
(30) 48°24'.13 N, 122°47'.97 W	(33) 48°24'.32 N, 122°48'.22 W
(31) 48°20'.32 N, 122°57'.02 W	(34) 48°25'.53 N, 122°46'.63 W

Connecting with precautionary area "RA", the waters contained within a circle of radius 1.24 miles centred at 48°19'.77 N, 122°58'.57 W, and thence to:

(35) 48°16'.25 N, 123°06'.58 W	(37) 48°19'.00 N, 123°00'.17 W
(36) 48°16'.57 N, 123°06'.58 W	(38) 48°19'.20 N, 123°00'.35 W

(b) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

(39) 48°25'.20 N, 122°45'.73 W	(41) 48°19'.80 N, 122°56'.83 W
(40) 48°23'.75 N, 122°47'.47 W	

Connecting with precautionary area "RA" and thence to:

(42) 48°15'.70 N, 123°06'.58 W	(43) 48°18'.67 N, 122°59'.57 W
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(c) A traffic lane for southbound traffic is established between the separation zone and a line connecting the following geographical positions:

(44) 48°25'.97 N, 122°47'.03 W	(46) 48°20'.85 N, 122°57'.80 W
(45) 48°24'.70 N, 122°48'.68 W	

Connecting with precautionary area "RA" and thence to:

(47) 48°19'.70 N, 123°00'.53 W	(48) 48°17'.15 N, 123°06'.58 W
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(d) Connecting with the Port Angeles precautionary area, which is bounded by a line connecting the following geographical positions:

(49) 48°10'.98 N, 123°06'.57 W	(51) 48°09'.98 N, 123°27'.70 W
(50) 48°17'.15 N, 123°06'.57 W	(52) 48°08'.20 N, 123°27'.75 W

thence along the shoreline to the point of beginning.

Northwest/Southeast Approach

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

- | | |
|--------------------------------|--------------------------------|
| (53) 48°25'.43 N, 123°03'.88 W | (56) 48°20'.82 N, 122°59'.62 W |
| (54) 48°22'.88 N, 123°00'.82 W | (57) 48°22'.72 N, 123°01'.12 W |
| (55) 48°20'.93 N, 122°59'.30 W | (58) 48°25'.32 N, 123°04'.30 W |

Connecting with precautionary area "RA" and thence to:

- | | |
|--------------------------------|--------------------------------|
| (59) 48°18'.83 N, 122°57'.48 W | (61) 48°13'.00 N, 122°51'.62 W |
| (60) 48°13'.15 N, 122°51'.33 W | (62) 48°18'.70 N, 122°57'.77 W |

(f) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

- | | |
|--------------------------------|--------------------------------|
| (63) 48°25'.60 N, 123°03'.13 W | (65) 48°21'.00 N, 122°58'.50 W |
| (64) 48°23'.20 N, 123°00'.20 W | |

Connecting with precautionary area "RA" and thence to:

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|--------------------------------|--------------------------------|
| (66) 48°19'.20 N, 122°57'.03 W | (67) 48°13'.35 N, 122°50'.63 W |
|--------------------------------|--------------------------------|

(g) A traffic lane for southbound traffic is established between the separation zone and a line connecting the following geographical positions:

- | | |
|--------------------------------|--------------------------------|
| (68) 48°25'.17 N, 123°04'.98 W | (70) 48°20'.47 N, 123°00'.20 W |
| (69) 48°22'.48 N, 123°01'.73 W | |

Connecting with precautionary area "RA" and thence to:

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|--------------------------------|--------------------------------|
| (71) 48°18'.52 N, 122°58'.50 W | (72) 48°12'.63 N, 122°52'.15 W |
|--------------------------------|--------------------------------|

(h) Connecting with precautionary area "SA". The waters contained within a circle of radius 2 miles centred at geographical position 48°11'.45 N, 122°49'.78 W

North/South Approach (between precautionary areas "RB" and "SA")

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

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|--------------------------------|--------------------------------|
| (73) 48°25'.25 N, 122°44'.60 W | (76) 48°13'.38 N, 122°49'.15 W |
| (74) 48°24'.15 N, 122°44'.08 W | (77) 48°24'.17 N, 122°44'.48 W |
| (75) 48°13'.33 N, 122°48'.78 W | (78) 48°25'.18 N, 122°44'.95 W |

(j) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

- | | |
|--------------------------------|--------------------------------|
| (79) 48°25'.55 N, 122°43'.93 W | (81) 48°13'.10 N, 122°48'.12 W |
| (80) 48°24'.08 N, 122°43'.38 W | |

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

(82) 48°25'.17 N, 122°45'.62 W (84) 48°13'.43 N, 122°49'.90 W
 (83) 48°24'.15 N, 122°45'.27 W

East/West Approach (between Port Angeles and "SA" precautionary area)

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

(85) 48°11'.50 N, 122°52'.73 W (87) 48°12'.23 N, 123°06'.58 W
 (86) 48°11'.73 N, 122°52'.70 W (88) 48°12'.48 N, 123°06'.58 W

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

(89) 48°12'.22 N, 122°52'.52 W (90) 48°12'.98 N, 123°06'.58 W

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

(91) 48°11'.00 N, 123°06'.58 W (93) 48°10'.98 N, 122°52'.65 W
 (92) 48°11'.73 N, 123°06'.58 W

Part III: Traffic Separation Scheme in Puget Sound

The traffic separation scheme in Puget Sound consists of a series of traffic lanes with separation zones connecting with precautionary areas.

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

(94) 48°11'.08 N, 122°46'.88 W (97) 48°02'.43 N, 122°38'.52 W
 (95) 48°06'.85 N, 122°39'.52 W (98) 48°06'.72 N, 122°39'.83 W
 (96) 48°02'.48 N, 122°38'.17 W (99) 48°10'.82 N, 122°46'.98 W

Connecting with precautionary area "SC". The waters contained within a circle of radius 0.62 mile centred at geographical position 48°01'.85 N, 122°38'.15 W

(100) 48°01'.40 N, 122°37'.57 W (103) 47°55'.67 N, 122°30'.40 W
 (101) 47°57'.95 N, 122°34'.67 W (104) 47°57'.78 N, 122°34'.92 W
 (102) 47°55'.85 N, 122°30'.22 W (105) 48°01'.28 N, 122°37'.87 W

Connecting with precautionary area "SE". The waters contained within a circle of radius 0.62 mile centred at geographical position 47°55'.40 N, 122°29'.55 W

(106) 47°54'.85 N, 122°29'.18 W (108) 47°46'.47 N, 122°26'.62 W
 (107) 47°46'.52 N, 122°26'.30 W (109) 47°54'.80 N, 122°29'.53 W

Connecting with precautionary area "SF". The waters contained within a circle of radius 0.62 mile centred at geographical position 47°45'.90 N, 122°26'.25 W

(110) 47°45'.20 N, 122°26'.25 W (112) 47°40'.30 N, 122°27'.88 W
(111) 47°40'.27 N, 122°27'.55 W (113) 47°45'.33 N, 122°26'.60 W

Connecting with precautionary area "SG". The waters contained within a circle of radius 0.62 mile centred at geographical position 47°39'.68 N, 122°27'.87 W

(114) 47°39'.12 N, 122°27'.62 W (116) 47°35'.17 N, 122°27'.35 W
(115) 47°35'.18 N, 122°27'.08 W (117) 47°39'.08 N, 122°27'.97 W

Connecting with precautionary area "T". The waters contained within a circle of radius 0.62 mile centred at geographical position 47°34'.55 N, 122°27'.07 W

(118) 47°34'.02 N, 122°26'.70 W (122) 47°19'.98 N, 122°26'.83 W
(119) 47°26'.92 N, 122°24'.10 W (123) 47°23'.15 N, 122°21'.45 W
(120) 47°23'.07 N, 122°20'.98 W (124) 47°26'.85 N, 122°24'.45 W
(121) 47°19'.78 N, 122°26'.58 W (125) 47°33'.95 N, 122°27'.03 W

Connecting with precautionary area "TC". The waters contained within a circle of radius 0.62 mile centred at geographical position 47°19'.48 N, 122°27'.38 W.

(b) A traffic lane for northbound traffic is established between the separation zone and a line connecting the following geographical positions:

(126) 48°11'.72 N, 122°46'.83 W (132) 47°39'.68 N, 122°26'.95 W
(127) 48°07'.13 N, 122°38'.83 W (133) 47°34'.65 N, 122°26'.18 W
(128) 48°02'.10 N, 122°37'.32 W (134) 47°27'.13 N, 122°23'.40 W
(129) 47°58'.23 N, 122°34'.07 W (135) 47°23'.33 N, 122°20'.37 W
(130) 47°55'.82 N, 122°28'.80 W (136) 47°22'.67 N, 122°20'.53 W
(131) 47°45'.92 N, 122°25'.33 W (137) 47°19'.07 N, 122°26'.75 W

(c) A traffic lane for southbound traffic is established between the separation zone and a line connecting the following geographical positions:

(138) 48°10'.15 N, 122°47'.58 W (144) 47°45'.90 N, 122°27'.18 W
(139) 48°09'.35 N, 122°45'.55 W (145) 47°39'.70 N, 122°28'.78 W
(140) 48°06'.45 N, 122°40'.52 W (146) 47°34'.47 N, 122°27'.98 W
(141) 48°01'.65 N, 122°39'.03 W (147) 47°26'.63 N, 122°25'.12 W
(142) 47°57'.47 N, 122°35'.45 W (148) 47°23'.25 N, 122°22'.42 W
(143) 47°55'.07 N, 122°30'.35 W (149) 47°20'.00 N, 122°27'.90 W