

17. TRAFFIC SEPARATION SCHEMES — INFORMATION CONCERNING SCHEMES SHOWN ON ADMIRALTY CHARTS.

Source: UK Hydrographic Office

Former Notice 17/04 is cancelled. Additions and amendments to the former notice are indicated by sidelines.

1. Following the implementation of the first Traffic Separation Scheme (TSS) in the Dover Strait in 1967, many similar schemes have been established throughout the world. Details are shown on Admiralty charts and referred to in Admiralty Sailing Directions. For further information about ships' routeing see The Mariner's Handbook, chapter 3.
2. The International Maritime Organization (IMO) is the body responsible for establishing and recommending measures on an international level concerning ships' routeing. Where schemes lie wholly within territorial waters, decisions concerning routeing rest with the national government but such schemes may also be submitted for IMO approval and adoption.
3. The details of schemes adopted by IMO are set out in the IMO publication "Ships' Routeing", 8th Edition April 2003, and in subsequent amendments and IMO circulars. See also paragraph 7c below. Compliance with Rule 10 of the International Regulations for Preventing Collisions at Sea, 1972, is mandatory for all vessels when operating in or near schemes which have been adopted by IMO. In some schemes, special provisions are included governing their use by all vessels or by specified classes of vessels. On the charts relevant information is given, or there is a recommendation for chart users to consult Admiralty Sailing Directions for details.
4. While vessels using the traffic lanes in schemes adopted by IMO must, in particular, comply with Rule 10 of the International Collision Regulations, they are not thereby given any right of way over crossing vessels; the other Steering and Sailing Rules still apply in all respects, particularly if risk of collision is involved.
5. It is United Kingdom Hydrographic Office (UKHO) policy to insert on Admiralty charts not only the IMO adopted routeing measures but also those established by coastal states or other competent national authorities concerned with the safety of navigation. On the charts, the IMO-adopted schemes are not normally differentiated from the other routeing schemes; all charts showing traffic separation schemes normally carry a reference to this Annual Notice to indicate those that are IMO-adopted. The portrayal of national traffic separation schemes on Admiralty charts is solely for the safety and convenience of shipping and implies no recognition of the international validity of the relevant regulations (see The Mariner's Handbook, page 1). Masters of deep draught vessels should note that the existence of a scheme does not imply that the traffic lanes have been adequately surveyed; charted depths and source diagrams (if available) should be studied when planning a passage where depths are critical.
6. When the UKHO has sufficient notice of an amended Traffic Separation Scheme which is to be implemented on a given date, a Preliminary Notice to Mariners will be issued outlining the changes and promulgating the implementation date. New Editions showing the changes will be published up to 8 weeks prior to the implementation date; this enables the mariner to hold both a copy of the existing chart and a copy of the New Edition depicting the amended TSS. The existing versions of the charts will be renumbered as X versions, having their numbers prefixed with an X to distinguish them from the New Edition. The X version will not be updated by permanent Notice to Mariners: updates to these X charts will be by Temporary Notices to Mariners only. When the TSS changes are implemented, the X version of the chart will be independently withdrawn.
7. When a new TSS is to be implemented, New Editions (or occasionally New Charts) will be issued showing the new scheme up to 8 weeks prior to the implementation date. A note will be shown on the face of the chart indicating the exact implementation date.
8. The list which follows contains details of all the traffic separation schemes at present included in the Admiralty chart series, or in the process of being inserted. Several facts about each scheme are given:
 - a. In each case, only the principal Admiralty charts on which the details of the scheme are shown, are quoted. Chart numbers marked thus † indicate that action is in hand to insert new or amended traffic separation schemes on these charts, by issue of Notice to Mariners or by inclusion in New Edition or New Chart.
 - b. For all schemes, the originating authority is given, where this is known. Where the scheme has been adopted by the International Maritime Organization, the abbreviation "IMO" is shown in the originating column.
 - c. In some cases, the volumes of the Admiralty Sailing Directions which contain details of the scheme are quoted under the heading "Remarks".

List of Traffic Separation Schemes shown on Admiralty Charts.

(2) BRITISH ISLES (including English Channel and southern North Sea for which the Mariners' Routeing Guide — Chart 5500 — is recommended as an additional reference)

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Approaches to the River Humber	1188, 109, 107, 1190	IMO	
Approaches to Harwich	2693, 2052, 1183, 1610	Harwich Haven Authority	Regulatory System for vessels over 50 GRT
At North (Noord) Hinder, (comprising Noord Hinder North and Noord Hinder South Traffic Separation Schemes)	1873, 1872, 3371, 1610, 2449, 1504, 1406, 1408, 2182A	IMO	
In the Approaches to Hook of Holland, (comprising Maas West Outer, Maas West Inner and Maas North Traffic Separation Schemes)	110, 122, 3371, 2322, 1406, 1408, 2182A	IMO	
At West Hinder	1873, 1874, 323, 1872, 3371, 2449, 1610, 1406, 2182A	IMO	
In the Strait of Dover and adjacent waters	323, 1892, 2451, 1610, 2449, 1406, 2675, 536, 1652, 2450, 2656, 2182A	IMO	
Off Casquets	2656, 2675, 442, 2454	IMO	
Off Land's End, between Seven Stones and Longships	1148, 1178, 2565, 2655, 2649, 2675, 1123, 777	IMO	
South of the Scilly Isles	2565, 2655, 2649, 2675, 1123	IMO	
West of the Scilly Isles	2565, 1178, 2649, 2675, 1123, 2655	IMO	
Off Fastnet Rock	2424, 1123, 2649	IMO	
Off Smalls	1478, 1410, 1178, 1121, 1123	IMO	
Off Tuskar Rock	1787, 1178, 1410, 1121, 1123	IMO	
Holyhead Harbour	2011, 1413	Stena Line Ports Limited, Holyhead	
Off Skerries	1413, 1977, 1411, 1826, 1121	IMO	
Approaches to Dublin	1415, 1468	Government of Ireland	
In the North Channel	2199, 2798, 2723, 2724, 1121, 2635	IMO	

(3) RUSSIA, NORTH COAST, NORWAY, FÆROE ISLANDS AND ICELAND

<i>Scheme</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Off Mys Zimnegorskiy	2272, 2273, 3180	Government of Russia	
Off Ostrov Sosnovets	2271, 2272, 3180	Government of Russia	
Off Ostrova Ponoyskiye Ludki	2270, 2271, 3180, 3181	Government of Russia	
Off Tersko-Orlovskiy	2269, 2270, 3180, 3181	Government of Russia	
Off Svyatonoskiy Poluostrov	2269, 3180	Government of Russia	
Entrance to Kol'skiy Zaliv	2966, 2333, 3180	Government of Russia	
Proliv Karskiye Vorota	2967, 3181	Government of Russia	
Off Makkaur	2317	Government of Norway	
Off Nordkinn	2330	Government of Norway	
Off Nordkapp	2315, 2330	Government of Norway	
Off Feistein	2281, 2182C	IMO	

<i>Scheme</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Oslo Fjord, East of Fuglehuk	Chart 3159	Government of Norway	
Oslo Fjord, East of Bastøy	Chart 3159	Government of Norway	
Oslo Fjord — West of Jeløya	3154, 3159	Government of Norway	
Oslo Fjord — West of Nesoddtangen	3712, 3154	Government of Norway	

(4) BALTIC SEA

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Off Seskar Island (Ostrov Seskar)	2264, 2817	Government of Russia	
Off Sommers Island (Ostrov Sommers)	2264, 2817	IMO	
Off Hogland (Gogland) Island (Ostrov Gogland)	2264, 2248, 2817	IMO	
Off Rodsher Island (Ostrov Rodsher)	2248, 2817	IMO	
Off Kalbådagrund Lighthouse	2248, 2817	IMO	
Off Porkkala Lighthouse	2241, 2248, 2817	IMO	
Off Hankoniemi Peninsula (Hanko)	2241, 2297, 2817	IMO	
Off Köpu Peninsula (Hiiumaa Island) (Köpu Poolsaar)	2222, 2241, 2817	IMO	
Approaches to Stockholm, Sandhamn Entrance	3155, 3156, 3157, 3127	Government of Sweden	
Off Gotland Island	2251, 2288, 2816, 2817	IMO	
Off Öland Island	2251, 2360, 2816	IMO	
South of Gedser	2601, 2365, 2816	IMO	
Between Korsoer and Sprogø (Korsør and Sprogø)	938, 2596, 2106	IMO	
Hatter Barn	2589, 2590, 2596, 2108	IMO	
In the Sound	877, 2594, 2115, 2108	IMO	
Off Falsterborev	2595, 2115, 2360, 2816	IMO	
Off Kiel Lighthouse	2341, 2113, 2106	IMO	
Zatoka Gdanska	2688, 2369, 2288, 2816	Government of Poland	
In the Approaches to Tallinn	2227, 2241, 2248	Government of Estonia	

(5) NORTH SEA AND NORTH AND WEST COASTS OF DENMARK, GERMANY, NETHERLANDS AND BELGIUM
(see also section (2) for schemes in the southern North Sea)

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
German Bight Western Approach	1875, 3761, 3767, 1405	IMO	
In the Approaches to River Elbe	3617, 3619, 1875, 3761, 3767	IMO	
Jade Approach	1875, 3761, 3767, 1405	IMO	
Terschelling — German Bight	3631, 3617, 1875, 2593, 3761, 3767, 1507, 1405	IMO	
Vlieland North	2593, 1507, 1405, 1408	IMO	
Off Vlieland	112, 1505, 2593, 1405, 1408	IMO	
Off Texel	2322, 2593, 1408	IMO	
Off Brown Ridge	1505, 1504, 2322, 1408	IMO	
West Friesland	1505, 1507, 1405, 1408, 2593	IMO	
East Friesland	1507, 1405	IMO	

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Off Botney Ground	1503, 1505, 1187, 1405	IMO	
Off Vlissingen	120, 1874	Government of the Netherlands	

(6) FRANCE AND SPAIN, NORTH AND WEST COASTS, AND PORTUGAL

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Off Ushant (Île d'Ouessant)	2644, 20, 2655, 2649, 2675, 1104	IMO	
Off Finisterre	1111, 3633, 87, 1104	IMO	
Approaches to Vigo	1730	Government of Spain	
Off Berlenga	3635, 87	IMO	
Off Cape Roca (Cabo da Roca)	3635, 87	IMO	
Off Cape St. Vicente (Cabo de São Vicente)	89, 3636, 91, 87, 3132	IMO	
At Banco del Hoyo	142, 93, 773, 91, 3132	IMO	

(8) MEDITERRANEAN AND BLACK SEAS

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
In the Strait of Gibraltar	142, 3578, 773, 91	IMO	
Off Cabo de Gata	774	IMO	
Off Cape Palos (Cabo de Palos)	774, 1700	IMO	
Off Cape la Nao (Cabo de la Nao)	1700, 1701	IMO	
Off Cani Island (Îles Cani)	2121, 2122, 165	IMO	
Approaches to Castellon	1514, 1701	Government of Spain	
Approaches to Barcelona	1180, 1196	Government of Spain	
† Approaches to Genova	354, 355, 356	Government of Italy	
Golfo di Olbia	1211	Government of Italy	
Off Cape Bon (Cap Bon)	2122, 165	IMO	
Approaches to Pontile SARAS No 1 & Pontile SARAS No 2 (Sarroch Oil Terminal)	1208	Government of Italy	
Approaches to Pontile ENICHEM Sud	1208	Government of Italy	
Approaches to Cagliari	1208	Government of Italy	
Approaches to Livorno	119	Government of Italy	
Approaches to Civitavecchia	907, 1911, 1999	Government of Italy	
Approaches to Napoli	914, 915, 908	Government of Italy	
† Approaches to Torre Annunziata	916, 908	Government of Italy	
† Approaches to Castellammare di Stabia	916, 908	Government of Italy	
In Stretto di Messina	917, 1018, 1941	Government of Italy	
Approaches to Taranto	1643, 1417	Government of Italy	
Approaches to Bari	140	Government of Italy	
Approaches to Brindisi	1418, 186, 187, 188	Government of Italy	
Approaches to Ancona and Falconara Marittima	1444, 220, 200	Government of Italy	

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
In the North Adriatic Sea, Approaches to the Gulf of Trieste, Approaches to the Gulf of Venice, in the Gulf of Trieste, Approaches to Koper and Approaches to Monfalcone	1483, 1467, 1471, 201, 515, 202, 204, 220, 1440	IMO	
Approaches to Chioggia, Malamocco and Venezia	1473, 1449, 1483, 204	Government of Italy	
Approaches to Trieste	1473, 1471	Government of Italy	
Off Otok Palagruža	196, 200, 1440	Government of Croatia	
In Vela Vrata	2719, 204	Government of Croatia	
Saronicos Gulf (Saronikós Kólpos, in the Approaches to Piraiévs)	1657	IMO	
Between Çanakkale Bogazi (The Dardanelles) and Istanbul Bogazi (The Bosphorus) including Marmara Denizi	1086, 1608, 2429, 1004, 1005, 2286, 1158, 1159, 1198, 3930, 224, 2230	IMO	
Between Burgas and Nos Kaliakra	2399, 2285, 2230, 2283	Government of Bulgaria	
Approaches to Burgas	2399, 2283	Government of Bulgaria	
In the Approaches to Constanța and Midia	2284†, 2282, 2232, 2230	Government of Romania	
In the Approaches to the Ports of Odesa and Il'ichevsk	2205, 2212, 2243, 2232	IMO	This scheme has been extended by Ukraine to include the approaches to Yuzhnyy, but the extension has not yet been adopted by IMO
Between the Ports of Odesa and Il'ichevsk	2205, 2212, 2243	IMO	
Off Sevastopol'	2232	Government of Ukraine	
Off Mys Sarych	2232, 2233	Government of Ukraine	
In the Southern Approaches to the Kerch Strait (Kerchenskiy Proliv)	2242, 2216, 2233	IMO	
In the Northern Approaches to Kerch Strait (Kerchenskiy Proliv)	2234	Governments of Ukraine and Russia	
Approaches to Berdyans'k and Mariupol'	2234	Government of Ukraine	
Approaches to Novorossiysk	3316, 3311	Government of Russia	
Western Approaches to Mîná' Dumiât	2578, 2573, 2574	IMO	
Eastern Approaches to Mîná' Dumiât	2578, 2573, 2574	IMO	
Western Approaches to Bûr Sa'id	2578, 2573	IMO	
Eastern Approaches to Bûr Sa'id	2578, 2573	IMO	

(10) AFRICA, SOUTH AND EAST COASTS, AND MADAGASCAR

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
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<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Approaches to Port Elizabeth	4158, 4157, 4156	Government of South Africa	
Approaches to Saldanha Bay	4145, 4146, 4151, 578	Government of South Africa	
Approaches to Table Bay	1846, 4148, 4150, 4145, 4146, 4151, 4152, 578	Government of South Africa	
Alphard Banks (South of Cape Infanta)	4153, 578	IMO	
FA Platform (South of Cape St Blaize)	4153, 4155, 578, 2095	IMO	

(11) RED SEA, ARABIA, IRAQ AND IRAN

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
In the Gulf of Suez	2133, 333, 2373, 2374, 2375, 159 (The Mariners' Routeing Guide, 5501, is recommended as an additional reference.)	IMO	
In the Strait of Tiran	801, 2375, 12, 159	IMO	
In Approaches to Yanbu'	326, 327, 328, 158	The Royal Commission for Jubail and Yanbu', Kingdom of Saudi Arabia	
In Bab-el-Mandeb	452, 1925, 3661, 143, 6, 157	IMO	
West and South of Hanish al Kubra	453, 1925, 143, 6, 157	IMO	
East of Jabal Zuqar Island	453, 1925, 143, 6, 157	IMO	
Off Ra's al Hadd	38, 2851, 707, 2858	IMO	
Off Ra's al Kūh	3171, 3520, 2888, 2851, 2837, 2858	IMO	
In the Strait of Hormuz	3172, 3173, 2888, 2837, 2851, 2858	IMO	
Tonb-Forur (Jazireh-ye Tonb-e Bozorg to Jazireh-ye Forur)	2441, 3174, 2887, 2888, 2837, 2858	IMO	
Between Zaqquq and Umm Shaif Oilfields	2443, 2444, 3178, 3179, 2886, 2887, 2889, 2837, 2858	IMO	
In the Approaches to Ra's Tannūrah	3776, 3812, 3777, 3788, 3790, 2882, 2883, 2886, 2837, 2847, 2858	IMO	Amended width of Arrival Channel not yet IMO adopted.
In the Approaches to Ra's al Ju'aymah	3776, 3777, 3788, 2882, 2883, 2886, 2837, 2847, 2858	IMO	Departure Channel. See Admiralty Sailing Directions, NP 63.
Between Zuluf and Marjan Oilfields	3774, 2882, 2884, 2847, 2858	IMO	

(12) INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Off Dondra Head	3265, 813, 827, 828, 709	IMO	

(13) MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA (The Mariners' Routeing Guide - Chart 5502 - is recommended as a reference)

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Port of Singapore — Traffic Systems – Sinki Fairway	4031, 4032, 4034, 4035, 4040, 3833, 5502	Maritime and Port Authority of Singapore	See Admiralty Sailing Directions, NP 44
Port of Singapore — Traffic Systems – Southern Fairway	3833, 4035, 4036, 4037, 4040, 4041, 5502	Maritime and Port Authority of Singapore	See Admiralty Sailing Directions, NP 44

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
At One Fathom Bank (Permatang Sedepa)	2139, 3940, 3945, 3946, 1353, 1358, 5502	IMO	See Admiralty Sailing Directions, NP 44
Port Klang (Pelabuhan Klang) to Port Dickson	1140, 2139, 3940, 3946, 1358, 5502	IMO	See Admiralty Sailing Directions, NP 44
Port Dickson to Tanjung Keling	3946, 3947, 1358, 5502	IMO	See Admiralty Sailing Directions, NP 44
Melaka to Iyu Kecil	3833, 2403, 3946, 3947, 1358, 5502	IMO	See Admiralty Sailing Directions, NP 44
In the Singapore Strait (Main Strait)	4030, 4031, 4036, 4038, 4039, 4040, 4041, 3833, 5502, 2403, 3947, 1358	IMO	See Admiralty Sailing Directions, NP 44
In the Singapore Strait (off St John's Island (Pulau Sakijang Bendera))	4040, 4041, 3833, 5502, 2403, 1358	IMO	See Admiralty Sailing Directions, NP 44
In the Singapore Strait (off Changi and Pulau Batam)	4037, 4041, 4042, 3831, 3833, 5502, 2403	IMO	See Admiralty Sailing Directions, NP 44
At Horsburgh Lighthouse Area	4042, 3831, 2403, 1311, 3543, 5502, 1312	IMO	See Admiralty Sailing Directions, NP 44

(14) CHINA SEA WITH ITS WEST SHORE AND CHINA

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
East Lamma Channel, Hong Kong	4121, 4127, 4129, 341, 937, 3026	IMO	
Tathong Channel, Hong Kong	4117, 4126, 4127, 341, 937, 3026	IMO	
Approaches to Hong Kong Harbour	4121, 4129, 341, 937, 3026	Government of Hong Kong, China	See Admiralty Sailing Directions, NP 30
Qing Zhou	341, 3026	Government of Peoples' Republic of China	
Approaches to Shanghai	1602, 1603, 1124, 1199, 3480, 2412	Government of Peoples' Republic of China	
Wusong Kou	1601, 1603	Government of Peoples' Republic of China	
Off Chengsan Jiǎo	1254, 1255, 1256, 3480	IMO	
Approaches to Dalian	3694, 1249, 1255	Government of Peoples' Republic of China	
T'ai-chung	2618, 3231	—	
Chi-lung	2619, 3658	—	
Approaches to Kao-hsiung	2376, 3230, 3232, 2409	Kao-hsiung Harbour Bureau	

(15) JAPAN

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Kurushima Kaikyō	3604	Government of Japan	Mandatory for all shipping. See Admiralty Sailing Directions, NP 42B
Bisan Seto	3605, 3606, 695	Government of Japan	Mandatory for all shipping. See Admiralty Sailing Directions, NP 42B
Akashi Kaikyō	3614	Government of Japan	Mandatory for all shipping. See Admiralty Sailing Directions, NP 42B
Irago Suidō	3650, 2957	Government of Japan	Mandatory for all shipping. See Admiralty Sailing Directions, NP 42A

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Uraga Suidō	3360, 3548, 3108, 3117	Government of Japan	Mandatory for all shipping. See Admiralty Sailing Directions, NP 42A

Note: Recommended and Voluntary Schemes in Japanese waters.

Some traffic separation schemes recommended by Japanese government agencies and several voluntary schemes are in use in Japanese waters. Where known, details are given in Admiralty Sailing Directions. These schemes are not shown on Admiralty charts or on the charts published by the Japanese Hydrographic Office.

(16) KOREA AND THE PACIFIC COASTS OF RUSSIA

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Namp'o	1257	Government of Korea	
Approaches to Inch'ŏn	1270, 1258	Government of Korea	
Off Ong Do	913, 1258	Government of Korea	
Maemul Sudo	3365, 3480	Government of Korea	
Off Bogil Do	3365	Government of Korea	
Approaches to Wando Hang	3365	Government of Korea	
Off Hong Do	127	Government of Korea	
Approaches to Masan	1065, 127	Government of Korea	
Approaches to Pusan	1259, 1065	Government of Korea	
Approaches to Kamch'ŏn	1259, 1065	Government of Korea	
Approaches to Wŏnsan	884	Government of Korea	
Hŭngnam	885	Government of Korea	
Ch'ongjin	884	Government of Korea	
Najin	884	Government of Korea	
In the Approaches to Vladivostok	2432, 2293, 3045	Government of Russia	
In the Approaches to Zaliv Nakhodka	3041, 2432, 2293, 3046	IMO	
Off Mys Ostrovnoy	2432, 2293, 3046	IMO	
La Perouse Strait	1801, 1802	Government of Russia	
Proliv Yekateriny	1802	Government of Russia	
Proliv Shpanberga	1802, 1803	Government of Russia	
Off Mys Aniva	1802	IMO	
In the Approaches to Sovetskaya Gavan' and Bukhta Vanino	3340	Government of Russia	
Proliv Friza	4511	Government of Russia	
Proliv Urup		Government of Russia	Not shown on 4511. For details see Admiralty Sailing Directions, NP41
South of Ostrov Broutona		Government of Russia	Not shown on 4511. For details see Admiralty Sailing Directions, NP41.
Proliv Bussol'	4511	IMO	
Chetvertyy Kuril'skiy Proliv	2128, 4511	IMO	
Mys Povorotnyy to Mys Opasnyy		Government of Russia	Legend shown on 4512. For details see Admiralty Sailing Directions, NP 23
Approaches to Avachinskaya Guba		Government of Russia	Not shown on 4512. For details see Admiralty Sailing Directions, NP23

(17) PHILIPPINE ISLANDS, BORNEO AND INDONESIA EXCEPT SUMATERA

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Verde Island Passage	3816, 3807, 3489	Government of Philippines	
Approaches to Manila Bay	976, 3806	Government of Philippines	
Cebu, Mactan Channel	14, 13	Government of Philippines	
Malapascua Island	4477, 4478	Government of Philippines	
Approaches to Bintulu Port	1748, 2100, 3837	Government of Malaysia	

(18) AUSTRALIA AND PAPUA NEW GUINEA

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
South of Wilsons Promontory in the Bass Strait	Aus 801, Aus 350, Aus 357, Aus 422, Aus 445A	IMO	
In the Bass Strait	Aus 357, Aus 358, Aus 445A, Aus 422, Aus 423	IMO	

(21) ALEUTIAN ISLANDS, ALASKA AND WEST COAST OF NORTH AMERICA, INCLUDING MEXICO

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Prince William Sound and Valdez Arm	4979, 4980, 4981, 4982	IMO	
Broughton Strait	581	Government of Canada	
Johnstone Strait	581	Government of Canada	
In the Strait of Juan de Fuca and its Approaches	4945, 4947, 4950	IMO	
Off Discovery Island	4953	Government of Canada	
Approaches to Puget Sound and Puget Sound	4950, 1947, 46, 47, 48, 80	IMO	
Strait of Georgia, Southern Part	4951, 4952, 4962	IMO	
Strait of Georgia, Off Vancouver	4952, 925	Government of Canada	
Off San Francisco	229, 591	IMO	
San Francisco Harbor and inner approaches	591, 588, 590	Government of USA	
In the Santa Barbara Channel and in the Approaches to Los Angeles — Long Beach	1063, 899, 2530	IMO	
In the Approaches to Salina Cruz	659, 1050	IMO	

(22) WEST COASTS OF CENTRAL AND SOUTH AMERICA

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Landfall and Approaches to Talara Bay	3089, 3092	IMO	
Landfall and Approaches to Bahía de Paita	3089, 3092	IMO	
Landfall off Puerto Salaverry	3091, 3092	IMO	
Landfall and Approaches to Ferrol Bay (Puerto Chimbote)	3083, 3091	IMO	
Approaches to Callao	1853, 3091	IMO	
Landfall and Approaches to San Martín	3084, 3091	IMO	
Landfall and Approaches to San Nicolás Bay	3090	IMO	

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Landfall and Approaches to Puerto Ilo	3090	IMO	
In the Approaches to Arica	3070	IMO	
In the Approaches to Iquique	3076, 3070	IMO	
In the Approaches to Antofagasta	3077, 3071	IMO	
In the Approaches to Quintero Bay	1314, 3073	IMO	
In the Approaches to Valparaíso	1314, 3073, 3074	IMO	
In the Approaches to Concepción Bay (Bahía Concepción)	1319, 3074	IMO	
In the Approaches to San Vicente Bay (Bahía San Vicente)	1319, 3074, 3075	IMO	
In the Approaches to Puntas Arenas	1694, 1281, 554	IMO	

(25) CARIBBEAN SEA, WEST INDIES, AND THE GULF OF MEXICO

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
Canal de Maracaibo	1519, 1517, 1524	Government of Venezuela	
Off Cabo San Antonio	3867, 1220, 2579	IMO	
Off La Tabla	3867, 1220, 2579	IMO	
Off Costa de Matanzas	3866, 3867, 1217, 2579	IMO	
In the Old Bahama Channel	2009, 3865, 3866, 2579	IMO	
Off Punta Maternillos	3865, 2579	IMO	
Off Punta Lucretia	3865, 2579	IMO	
Off Cabo Maisi	3865, 1266, 486, 2579	IMO	
In the Approaches to the Port of Veracruz	374, 376	IMO	
In the Approaches to Galveston Bay	3183, 3854	IMO. Government of USA for changes in the vicinity of the Offshore Channel	

(26) EAST COAST OF NORTH AMERICA, AND GREENLAND

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
In the Approaches to Chesapeake Bay	2919, 2861	IMO	
Chesapeake Bay, off Smith Point	2920	Government of USA	
Off Delaware Bay	2564, 2563, 2861	IMO	
Off New York	3204, 2755, 2860, 2492	IMO	
In the Approaches to Narragansett Bay, Rhode Island and Buzzards Bay, Massachusetts	2890, 2860, 2492	IMO	
In the Approach to Boston, Massachusetts	1227, 3096, 2860, 2492	IMO	
In the Approaches to Portland, Maine	2490, 3676, 2492	IMO	
Approaches to Bay of Fundy	4746	IMO	
Approaches to Halifax	4752, 4751	Government of Canada	

<i>Scheme Name</i>	<i>Principal Admiralty Charts</i>	<i>Authority</i>	<i>Remarks</i>
In the Approaches to Chedabucto Bay	2342, 4748	IMO	
Gulf and River St. Lawrence	4782, 4777, 4774, 4766, 4764, 4775, 4767, 284, 779, 3335	Government of Canada	
St. George's Bay	3383, 4765, 4748	Government of Canada	
Placentia Bay	290, 4739	Government of Canada	