

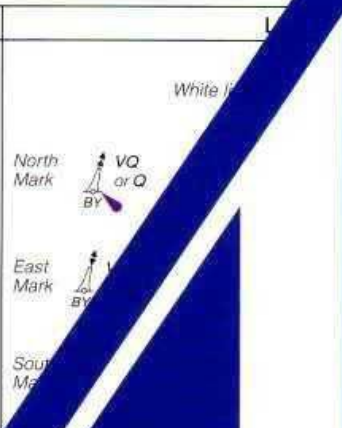
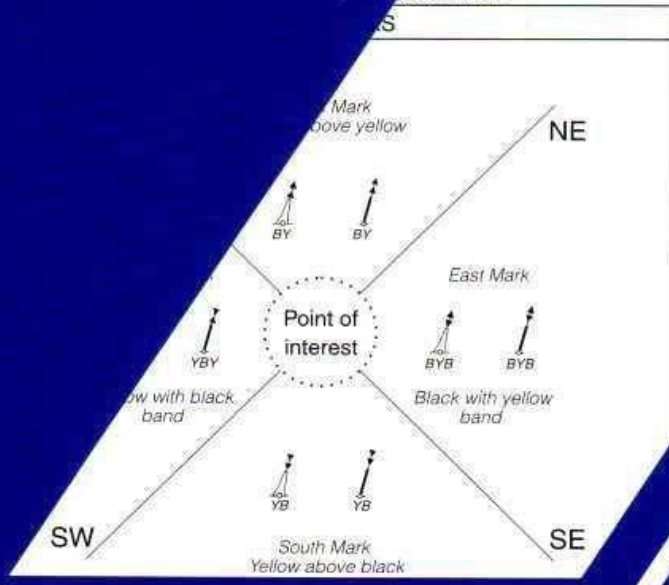
...channel marks have three horizontal bands of colour.
...colour for buoys is not satisfactory, black may be used.

...n of buoyage.



Symbol showing direction
not obvious: on multicoloured
green circles coloured

...ble water to the named side of the marks. Cardinal marks have the same
...ions A and B.



**SYMBOLS AND
ABBREVIATIONS
USED ON
ADMIRALTY
PAPER CHARTS**

Chart 5011

(INT 1 Format)

Edition 4 - October 2008



SYMBOLS and ABBREVIATIONS used on Admiralty Charts

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INTRODUCTION

General

Chart 5011 is primarily a key to symbols and abbreviations used on Admiralty and International paper charts compiled by the UKHO (United Kingdom Hydrographic Office). Variations may occur on charts adopted into the Admiralty Series that were originally produced by another hydrographic office. Where these symbols and abbreviations are easily understood they will not be included as examples in this publication. Symbols and abbreviations shown on navigational display systems using vector electronic charts may differ from those described in this document.

Schematic Layout of Chart 5011

This edition of Chart 5011 is based on the "Chart Specifications of the IHO" (International Hydrographic Organization) adopted in 1982, with later additions and corrections. The layout and numbering accords with the official IHO version of Chart INT 1 (English version produced by Germany).

		Tracks Marked by Lights → P		Leading Beacons → Q		Tracks		
1	 2 Bns # 270.5	 Leading line (the firm line is the track to be followed)	 † Bn Bn Bns in Line 270.30'	 Ldg Bns 270.5	 270.5	433.1	433.2	433.3

- ① Section.
- ② Section designation. (In some nautical publications, this reference is pre-fixed "I", for International.)
- ③ Sub-section.
- ④ Cross-reference to terms in other sections.
- ⑤ Column 1: Numbering following the International "Chart Specifications of the IHO". A letter in this column, e.g. **a**, indicates a supplementary national symbol for which there is no International equivalent.
- ⑥ Column 2: International (INT) symbols used on Admiralty charts. Where both are shown, true to scale representations are to the left of symbols.
- ⑦ Column 3: Term and explanation in English.
- ⑧ Column 4: Other symbol or abbreviation used on Admiralty charts, if different from Column 2.
- ⑨ Column 5: Not navigationally significant. Cross references to the "Chart Specifications of the IHO", M-4 (Part B, unless a reference letter to another part is given).

The mark † indicates that this representation or usage is obsolescent.

The mark # in Columns 2, 3 and 4 indicates that this symbol will only be found on charts adopted into the Admiralty chart series. However, users should note that on such charts additional or different symbols not listed in this publication may be used. Where not easily understood, such symbols will be explained on those charts.

Metric Charts & Fathoms Charts Metric units are introduced on Admiralty charts as they are modernised (except for charts of the waters around the United States of America, where fathoms or feet continue to be used). Fathom and/or feet charts can be distinguished from metric charts by the use of grey for land areas, a note in the title block and in some cases by a prominent legend in the margin.

Chart Datum On metric charts, the reference level for soundings is given under the chart title. On fathoms charts, the reference level for soundings may be given under the title; if not, it can be deduced from the tidal information panel.

Depths The units used are given under the title of the chart. The position of a sounding is the centre of the area covered by the figures.

On metric charts, depths of less than 21m are generally expressed in metres and decimetres. Where source information is sufficiently precise, depths between 21m and 31m may be given in half-metres. All other depths are rounded down to whole metres.

On fathom charts, depths are generally expressed in fathoms and feet where less than 11 fms, and in fathoms elsewhere. Where source information is sufficiently precise, depths between 11 and 15 fms may be given in fathoms and feet. Older charts may show fractions of fathoms in depths of 10 fathoms or less, and a few large-scale charts show all depths in feet.

On adopted or co-produced charts these ranges may vary.

Drying heights Underlined figures on rocks and banks which uncover indicate heights above chart datum. They are given in metres and decimetres or in feet as appropriate.

<i>Heights</i>	Heights are given in metres or in feet above the charted height datum; details are given in the Explanatory Notes under the chart title. The position of a height is normally that of the dot alongside it, thus -79. Parentheses are used when the figure expressing height is set apart from the object (eg when showing the height of a small islet). Clearance heights may be referred to a higher datum than other heights. In such cases this will be stated in the Explanatory Notes.
<i>Bearings</i>	Bearings are given from seaward and refer to the true compass.
<i>Sea Miles and Cables</i>	A sea mile is the length of one minute of latitude locally, and is the principal means of expressing distance on Admiralty charts. A cable is one-tenth of a sea mile.
<i>Names</i>	Names on Admiralty charts are spelt in accordance with the principles and systems approved by the Permanent Committee on Geographical Names for British Official Use. A second name may be given, usually in parentheses, in the following circumstances: <ul style="list-style-type: none"> a. if the retention of a superseded rendering will facilitate cross-reference to related publications; b. if, in the case of a name that has changed radically, the retention of the former one will aid recognition; c. if it is decided to retain an English conventional name in addition to the present official rendering;
<i>Chart Catalogues</i>	Details of Admiralty charts are given in the "Catalogue of Admiralty Charts and Publications" (NP 131) and regional catalogues 'Caribbean' (NP105), 'Mediterranean' (NP106), 'Scandinavian' (NP107), 'North West Europe' (NP109), all published annually.
<i>The Mariner's Handbook and other Publications</i>	The Mariner's Handbook (NP 100) includes information on the following: The use of charts and the degree of reliance that may be placed on them; chart supply and correction; names; charted navigational aids; navigational hazards; traffic separation schemes; offshore oil and gas operations; tides and currents; general marine meteorology. A glossary of terms used on Admiralty charts is also given. Information about features represented on charts can also be found in the following publications or their digital equivalents: Admiralty Sailing Directions; Admiralty List of Lights and Fog Signals; Admiralty Tide Tables and Tidal Stream Atlases; Admiralty List of Radio Signals; Annual Notices to Mariners; IALA Maritime Buoyage System.
<i>Copyright</i>	Admiralty charts and publications (including this one) are protected by Crown Copyright. They are derived from Crown Copyright information and from copyright information published by other organisations. They may not be reproduced in any material form (including photocopying or storing by electronic means) without prior permission of the copyright owners, which may be sought by applying, in the first instance, to the Copyright Manager, The United Kingdom Hydrographic Office, Taunton, Somerset TA1 2DN, UK.

A Chart Number, Title, Marginal Notes

Schematic Layout of an Admiralty INT chart (reduced in size)

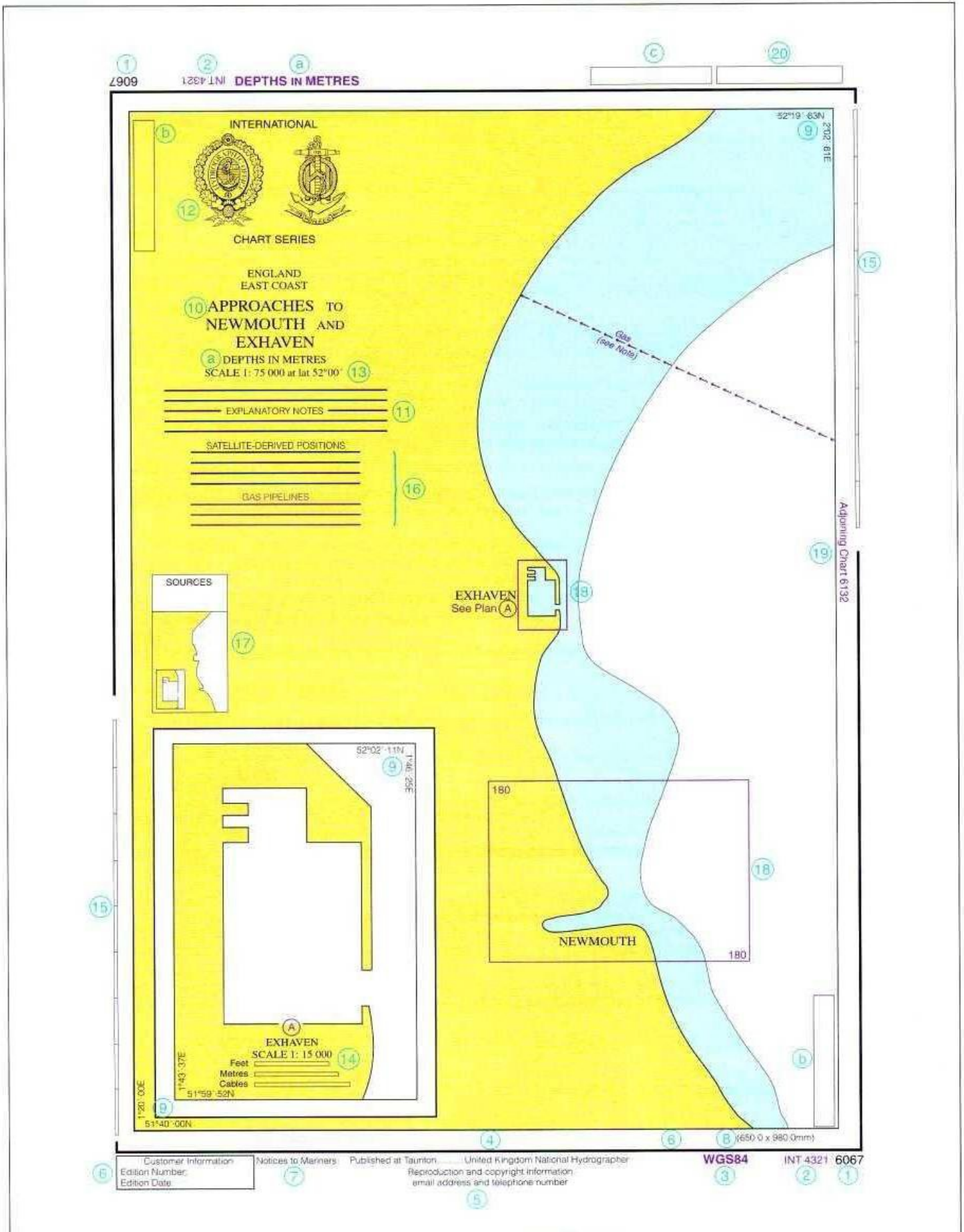


Chart Number, Title, Marginal Notes **A**

Magnetic Features → B	Tidal Data → H	Satellite Navigation Systems → S
① Chart number in the Admiralty series.		251
② Chart number in the International (INT) Chart series.		251.1
③ Use of WGS84 geodetic reference system.		201 255.3
④ Publication note (imprint) showing the date of publication as a New Chart.		252.1 252.4
⑤ Reproduction and Copyright acknowledgement note. All Admiralty charts are subject to Crown Copyright restrictions.		259
⑥ Customer Information, Edition Number, Edition Date, (charts revised prior to May 2000 have New Edition date at bottom right of chart)		252.2
⑦ Notices to Mariners: (a) the year dates and numbers of Notices to Mariners and (b) the dates (usually bracketed) of minor corrections included in reprints but not formally promulgated (abandoned as a method of correction in 1986), (charts revised prior to May 2000 have the legend 'Small corrections').		252.3
⑧ Dimensions of the inner neat-lines of the chart border. In the case of charts on Transverse Mercator and Gnomonic projections, dimensions may be quoted for all borders of the chart which differ. Some Fathoms charts show the dimensions in inches e.g. (38.40 x 25.40).		222.3 222.4
⑨ Corner co-ordinates.		214
⑩ Chart title. This should be quoted, in addition to the chart number, when ordering a chart.		241.3
⑪ Explanatory notes on chart content; to be read before using the chart		242
⑫ Seals. Where an Admiralty chart is in the International Chart series, the seal of the International Hydrographic Organization (IHO) is shown in addition to the national seal. Reproductions of international charts of other nations (facsimile) have the seals of the original producer (left), publisher (centre) and the IHO (right). Reproductions of other charts have the seals of original producer (left) and publisher (right); charts which are co-productions carry the seals of the nations involved in their production.		241.1 241.2
⑬ Scale of chart, on Mercator projection, at a stated latitude.		211 241.4
⑭ Linear scales on large-scale plan.		221
⑮ Linear border scales (metres). On smaller scale charts, the latitude border should be used to measure Sea miles and Cables.		221.1
⑯ Cautionary notes (if any) on charted detail; to be read before using the chart .		242
⑰ Source Diagram (if any). If a Source Diagram is not shown, details of the sources used in the compilation of the chart are given in the explanatory notes (see 10). The Source Diagram or notes should be studied carefully before using the chart in order to assess the reliability of the sources.		290-298
⑱ Reference to a larger scale chart or plan (with reference letter if plan on same chart).		254
⑲ Reference to an adjoining chart of similar scale.		254
⑳ Note 'IMPORTANT - THE USE OF ADMIRALTY CHARTS'.		243
㉑ Reference to the units used for depths measurement. The legend, 'DEPTHS IN FATHOMS/FEET', is shown on certain more recent fathoms charts where confusion might otherwise arise.		241.5 255.2
㉒ Conversion scales. To allow approximate conversions between metric and fathoms and feet units. On older charts, conversion tables are given instead.		280
㉓ Copyright Notice		

B Positions, Distances, Directions, Compass

Geographical Positions				
1	Lat	Latitude		
2	Long	Longitude		
3		International Meridian (Greenwich)		
4	°	Degree(s)		130
5	'	Minute(s) of arc		130
6	"	Second(s) of arc		130
7	PA	Position approximate (not accurately determined or does not remain fixed)	† (PA)	† (P.A.) 417 424.1
8	PD	Position doubtful (reported in various positions)	† (PD)	† (P.D.) 417 424.2
9	N	North		131.1
10	E	East		131.1
11	S	South		131.1
12	W	West		131.1
13	NE	North-east		
14	SE	South-east		
15	NW	North-west		
16	SW	South-west		

Control Points, Distance Marks				
20		Triangulation point		304.1
21		Observation spot	† + Obs Spot	† + Obsn. Spot 304.2
22		Fixed point		305.1 340.5
23		Benchmark	† BM	† B.M. 304.3
24		Boundary mark		306
25.1		Distance along waterway, no visible marker		307 361.3
25.2		Distance along waterway, with visible marker		
a		Viewpoint		◦ See View 390.2

Symbolised Positions (Examples)				
30		Symbols in plan: position is centre of primary symbol		305.1
31		Symbols in profile: position is at bottom of symbol		305.1
32		Point symbols (accurate positions)		305.1 340.5
33		Approximate position	† ◦ Mast PA	305.1

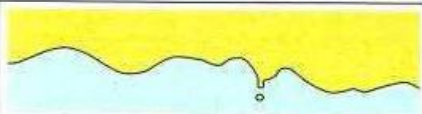

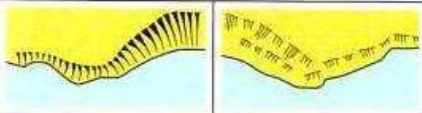
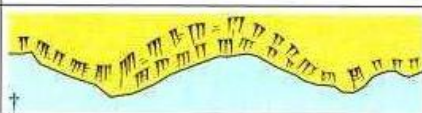
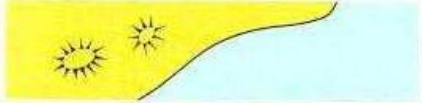
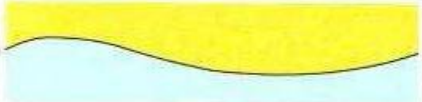
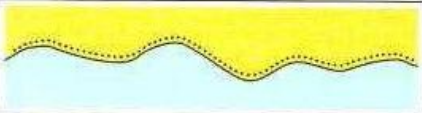
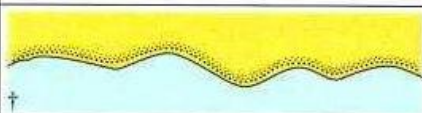
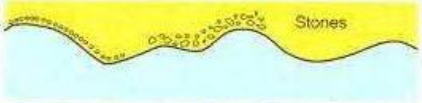
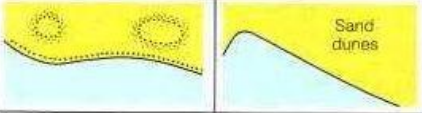
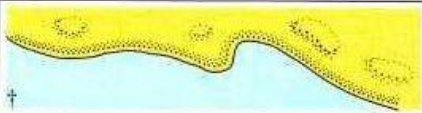
Positions, Distances, Directions, Compass **B**

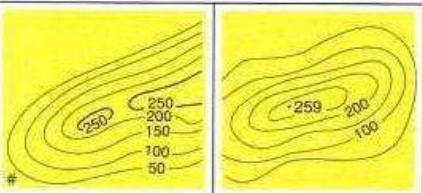

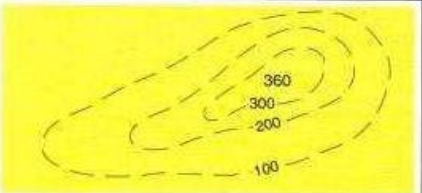
				Units
40	km		<i>Kilometre(s)</i>	
41	m		<i>Metre(s)</i>	130
42	dm		<i>Decimetre(s)</i>	130
43	cm		<i>Centimetre(s)</i>	
44	mm		<i>Millimetre(s)</i>	130
45	M		<i>International Nautical Mile(s) (1852m) or Sea Mile(s)</i>	130
46			<i>Cable (0.1M)</i>	130
47	ft		<i>Foot/feet</i>	
48			<i>Fathom(s)</i>	<i>fm., fms.</i>
49	h		<i>Hour</i>	130
50	# m	min	<i>Minute(s) of time</i>	130
51	s	# sec	<i>Second(s) of time</i>	130
52	kn		<i>Knot(s)</i>	130
53	t		<i>Tonne(s), Ton(s), tonnage (weight)</i>	328.3
54	# cd		<i>Candela</i>	

				Magnetic Compass
60			<i>Variation</i>	Var
61			<i>Magnetic</i>	Mag
62			<i>Bearing</i>	132
63			<i>true</i>	
64			<i>decreasing</i>	decr
65			<i>increasing</i>	incr
66			<i>Annual change</i>	
67			<i>Deviation</i>	
68.1	#	Magnetic Variation 4°30' W 2007 (8° E)	<i>Note of magnetic variation, in position</i>	272.2
68.2	#	Magnetic Variation at 55°N 8°W 4°30' W 2007 (8° E)	<i>Note of magnetic variation, out of position</i>	

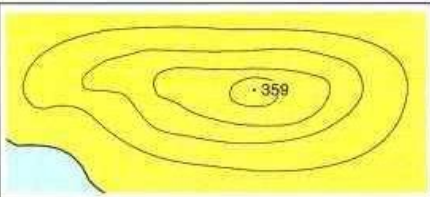
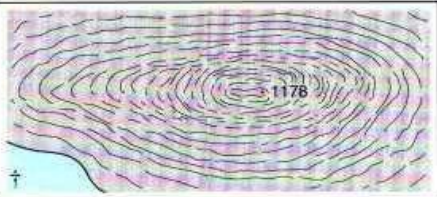
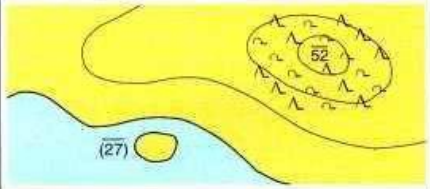
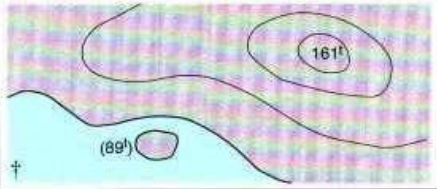
B Positions, Distances, Directions, Compass

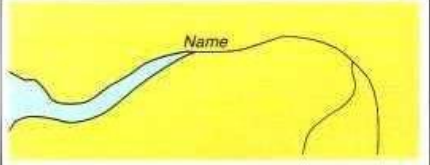
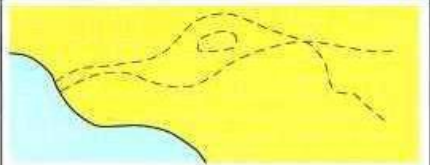
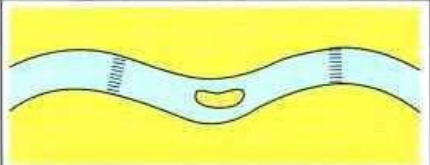
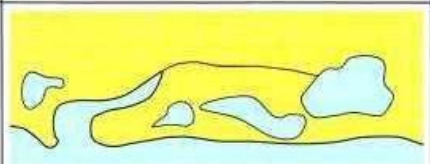

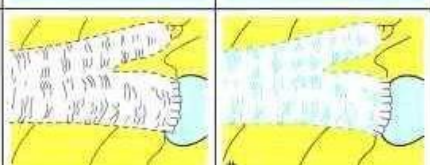
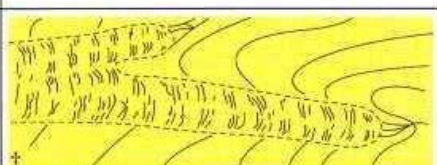


<p>70</p>	<p><i>Compass Roses, True and Magnetic.</i> <i>4°30' W 2004 (9' E) on magnetic north arrow means Magnetic Variation 4°30' W in 2004, annual change 9' E (i.e. magnetic variation decreasing 9' annually)</i></p> <p><i>Magnetic Variation is expressed to the nearest 5' and relates to 1 January of the year stated. Annual change E or W is given to the nearest minute.</i></p> <p><i>True Compass Rose Magnetic North indicated by arrow</i></p> <p><i>The arrow indicating Magnetic North is omitted on charts comprising separate plans and on charts showing isogonals.</i></p>	<p>260- 262.2 272.3</p>	
<p>71</p>	<p>MAGNETIC VARIATION LINES ARE FOR 2000</p> <p>The magnetic variation is shown in degrees, followed by the letter E or W, as appropriate, at certain positions on the lines. The annual change is expressed in minutes with the letter E or W and is given in brackets, immediately following the variation.</p> <p><i>Magnetic variation values are for 1 January of the year stated</i></p>	<p>272.1</p>	
<p>82.1</p>		<p><i>Local Magnetic Anomaly</i> <i>Within the enclosed area the magnetic variation may deviate from the normal by the value shown.</i></p>	
<p>82.2</p>	<p><i>Local Magnetic Anomaly (see Note)</i></p>	<p><i>Where the area affected cannot be easily defined, a legend only is shown at the position.</i></p>	<p><i>Local Magnetic Anomaly (see Note)</i></p>

Foreshore → I, J		Coastline		
1		Coastline, surveyed		310.1 310.2
2		Coastline, unsurveyed		311
3		Steep coast, Cliffs		312.1
4		Hillocks		312.1
5		Flat coast		312.2
6		Sandy shore		312.2
7		Stony shore, Shingly shore		312.2
8		Sandhills, Dunes		312.3


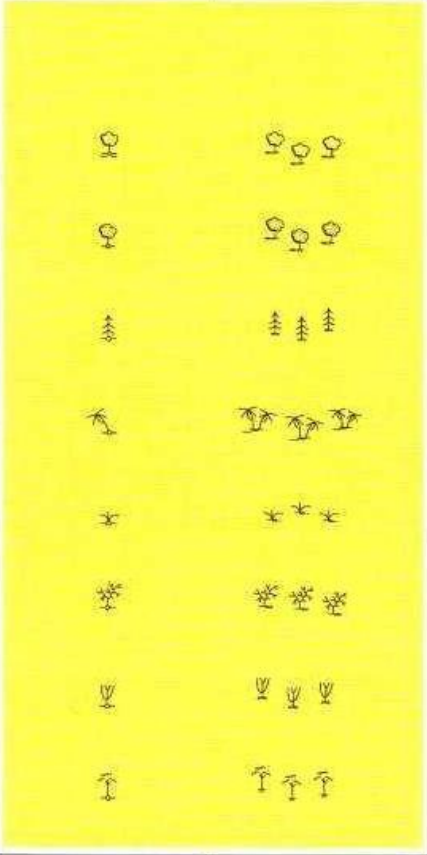
















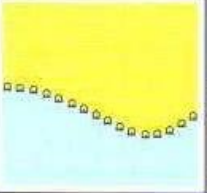
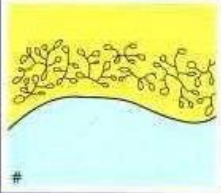
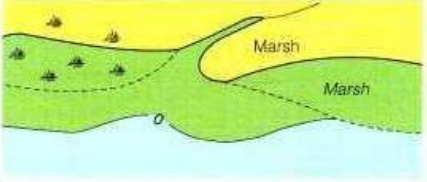
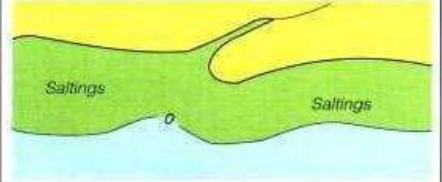
Plane of Reference for Heights → H		Relief		
10		Contour lines with values and spot height		351.3 351.4 351.5 351.6 352.2
11		Spot heights		352.1 352.2
12		Approximate contour lines with values and approximate height.		351.3 351.4 351.5 351.6 352.3

C Natural Features

13		Form lines with spot height		351.2 351.3 351.7 352.2
14		Approximate height of top of trees (above height datum)		352.4

Water Features, Lava				
20		River, Stream		353.1 353.2 353.4
21		Intermittent river		353.3
22		Rapids, Waterfalls		353.5
23		Lakes		353.6
24		Salt pans		353.7
25		Glacier		353.8
26		Lava flow		355

Natural Features **C**

				Vegetation		
30		Wooded	Woods in general	354.1		
31			Prominent trees: (isolated or in groups)	354.2		
31.1						Deciduous tree, unknown or unspecified tree
31.2						Evergreen (except conifer)
31.3						Conifer
31.4						Palm
31.5						Nipa palm
31.6						Casuarina
31.7						Filao
31.8						Eucalypt
32			Mangrove	312.4		
33		Marsh	Marsh, Swamp, Salt marsh	312.2		
						

D Cultural Features

Settlements, Buildings		<i>Height of objects</i> → E	<i>Landmarks</i> → E
1		Urban area	370.3 370.4
2		Settlement with scattered buildings	370.5
3		Settlement (on medium and small-scale charts)	370.7
4		Inland village	370.6
5		Building	370.5
6		Important building in built-up area	370.3
7		Street name, Road name	371
8		Ruin, Ruined landmark	378 378.2



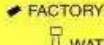






Roads, Railways, Airfields		<i>Height of objects</i> → E	<i>Landmarks</i> → E
10		Motorway	365.1
11		Road (hard surfaced)	365.2
12		Track, Path (loose or unsurfaced)	365.3
13		Railway, with station	328.4 362.1 362.2
14		Cutting	363.2
15		Embankment	364.1
16		Tunnel	363.1
17		Airport, Airfield	366.1 366.2
a		Tramway	
b		Helicopter landing site, Heliport	(H)

Cultural Features **D**

Plane of Reference for Heights → H		Other Cultural Features		
20		Vertical clearance above Height Datum (in parentheses when displaced for clarity)		380.1 380.2
21		Horizontal clearance		380.3
22		Fixed bridge with vertical clearance		381.1
23.1		Opening bridge (in general) with vertical clearance		381.3
23.2		Swing bridge with vertical clearance		
23.3		Lifting bridge with vertical clearance (closed and open)		
23.4		Bascule bridge with vertical clearance		
23.5		Pontoon bridge		
23.6		Draw bridge with vertical clearance		
24		Transporter bridge with vertical clearance between Height Datum and lowest part of structure		381.2
25		Overhead transporter, Aerial cableway with vertical clearance		382.3
26		Power transmission line with pylons and safe vertical clearance (see Note below D29)		382.1
27		Overhead cable, Telephone line, Telegraph line with vertical clearance		382 382.2
28		Overhead pipe with vertical clearance		383
29		Pipeline on land		377





























Note: The safe vertical clearance above Height Datum, as defined by the responsible authority, is given in magenta where known (see H20); otherwise the physical vertical clearance is shown in black as in D20.

E Landmarks

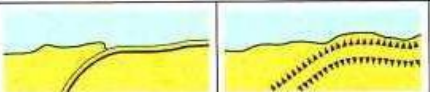
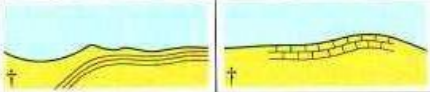
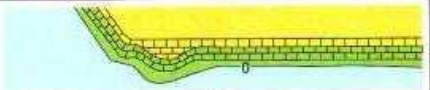



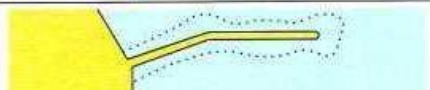
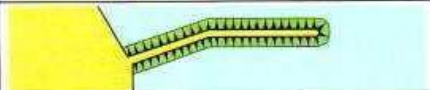
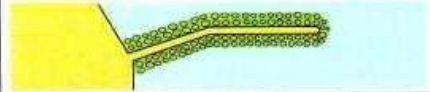
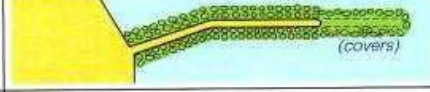
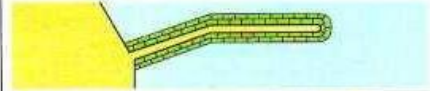
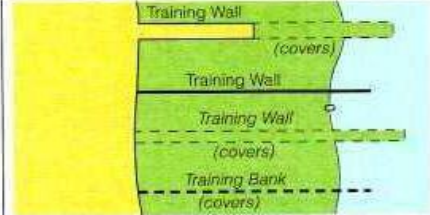
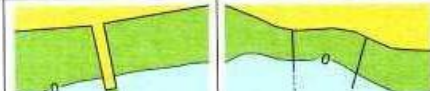

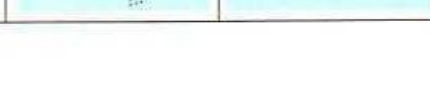
General	Plane of Reference for Heights → H	Lighthouses → P	Beacons → Q
1	 Factory  Hotel	Examples of landmarks	340.1 340.2 340.5
2	 FACTORY  HOTEL  WATER TOWER	Examples of conspicuous landmarks. A legend in capital letters indicates that a feature is conspicuous	340.1 340.2 340.3 340.5
3.1		Pictorial symbols (in true position)	340.7 373.1 390 456.5 457.3
3.2		Sketches, Views (out of position)	
4	 (30)	Height of top of a structure above height datum	302.3
5	 (30)	Height of top of a structure above ground level	303


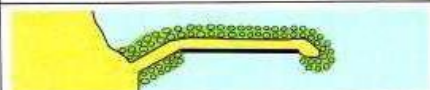
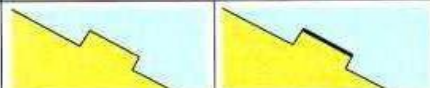
Landmarks				
10.1	  Ch	Church, Cathedral	 Cath	373.1 373.2
10.2	 Tr  Tr	Church tower		373.2
10.3	 Sp  Sp	Church spire		373.2
10.4	 Cup  Cup	Church cupola		373.2
11		Chapel	 Ch	
12		Cross, Calvary		
13		Temple		373.3
14		Pagoda	 Pag	373.3
15		Shinto shrine, Joss house		373.3
16	 	Buddhist temple or shrine		373.3
17		Mosque, Minaret		373.4
18	 Marabout	Marabout	 Tomb 	373.5
19		Cemetery (all religions)	 Cemey	373.6

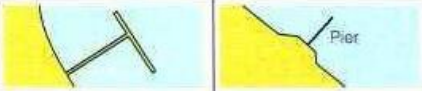
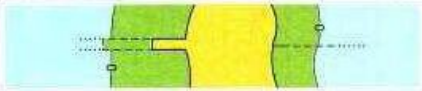
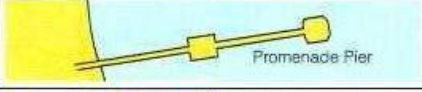



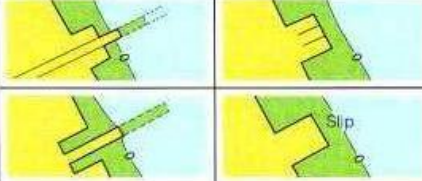

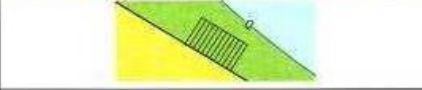
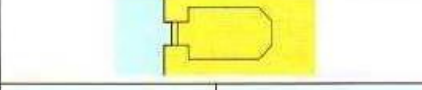
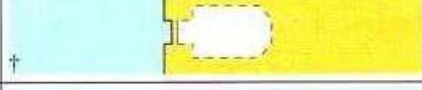

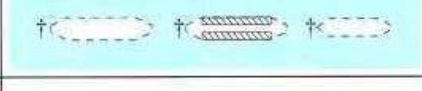
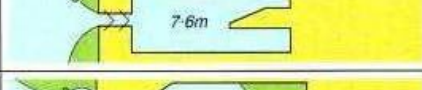
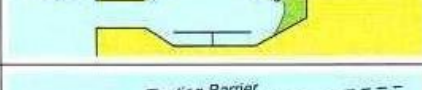

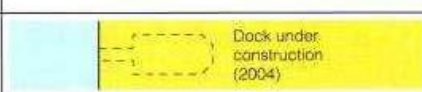

Landmarks E

20		Tr	Tower		374.3	
21			Water tower, Water tank on a tower	⊙ Water Tr	374.2 376	
22		Chy	Chimney		374.1	
23			Flare stack (on land)		374.1	
24		Mon	Monument (including column, pillar, obelisk, statue)	† Mont † Col	374.4	
25.1			Windmill		374.5	
25.2		Ru	Windmill (without sails)	† ∞ (ru) †	378.2	
26.1			Wind turbine	Wind turbine Windmotor	†  † 	374.6
26.2			Wind farm		374.6	
27	P	FS	Flagstaff, Flagpole		374.7	
28			Radio mast, Television mast, Mast	⊙ Radio mast ⊙ TV mast		375.1
29			Radio tower, Television tower	⊙ Radio Tr ⊙ TV Tr	375.2	
30.1	⊙ Radar Mast		Radar mast		487.3	
30.2	⊙ Radar Tr		Radar tower			
30.3	⊙ Radar Sc		Radar scanner			
30.4	⊙ Radome		Radome			
31			Dish aerial	† ⊙ Dish aerial †	375.4	
32		Tanks	Tanks	†  †	376.1 376.2	
33	○ Silo ⊙ Silo		Silo		376.3	
34.1		Fort	Fortified structure (on large-scale charts)		379.1	
34.2			Castle, Fort, Blockhouse (on smaller scale charts)	†  †	Cas	379.2
34.3			Battery, Small fort (on smaller scale charts)	†  †	Batt Baty	379.2
35.1			Quarry (on large-scale charts)	†  †	367.1	
35.2			Quarry (on smaller scale charts)		367.2	
36			Mine		367.2	


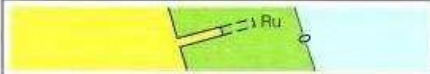



F Ports


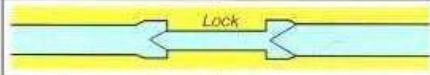

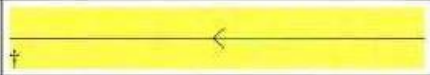
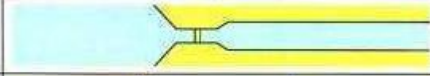
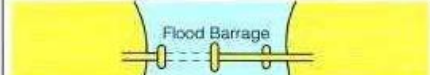

Protection Structures					
1		<i>Dyke, Levee, Berm</i>			313.1
2.1		<i>Seawall (on large-scale charts)</i>			313.2
2.2		<i>Seawall (on smaller scale charts)</i>			
3		<i>Causeway</i>			313.3
4.1		<i>Breakwater (in general)</i>			322.1
					
					
4.2		<i>Breakwater (loose boulders, tetrapods, etc)</i>			
4.3		<i>Breakwater (slope of concrete or masonry)</i>			
5		<i>Training wall</i>			322.2
6.1		<i>Groyne (always dry)</i>			313.4 324
6.2		<i>Groyne (intertidal)</i>			
6.3		<i>Groyne (always underwater)</i>			

Harbour Installations		Depths → I	Anchorage, Limits → N	Beacons and other fixed marks → Q	Marina → U
10			<i>Fishing harbour</i>		320.1
12			<i>Mole (with berthing facility)</i>		321.3
13			<i>Quay, Wharf</i>	Whf	321.1

14		Pier, Jetty		321.2 321.4
15		Promenade pier		321.2
16		Pontoon		326.9
17		Landing for boats	† Ldg	324.2
18		Steps, Landing stairs		
19	④ ⑧ 234	Designation of berth	† ④	323.1
20	● □ □ Dn □ Dns	Dolphin		327.1
21	⊥	Deviation dolphin		327.2
22	• •	Minor post or pile		327.3
23		Slipway, Patent slip, Ramp		324.1
		Slip		
24		Gridiron, Scrubbing grid		326.8
25		Dry dock, Graving dock	† 	326.1
26		Floating dock	† 	326.2
27		Non-tidal basin, Wet dock		326.3
28		Tidal basin, Tidal harbour		326.4
29.1		Floating oil barrier		449.2
29.2		Oil retention barrier (high pressure pipe)		
30		Works on land, with year date		329.1
31		Works at sea, Area under reclamation, with year date		329.2
32	Under construction (2004) Works in progress (2004)	Works under construction, with year date	const † constn † constn	329 329.4

F Ports

33.1		Ruin		378.1
33.2		Ruined pier, partly submerged at high water		
34		Hulk		
a		Bollard		• Bol

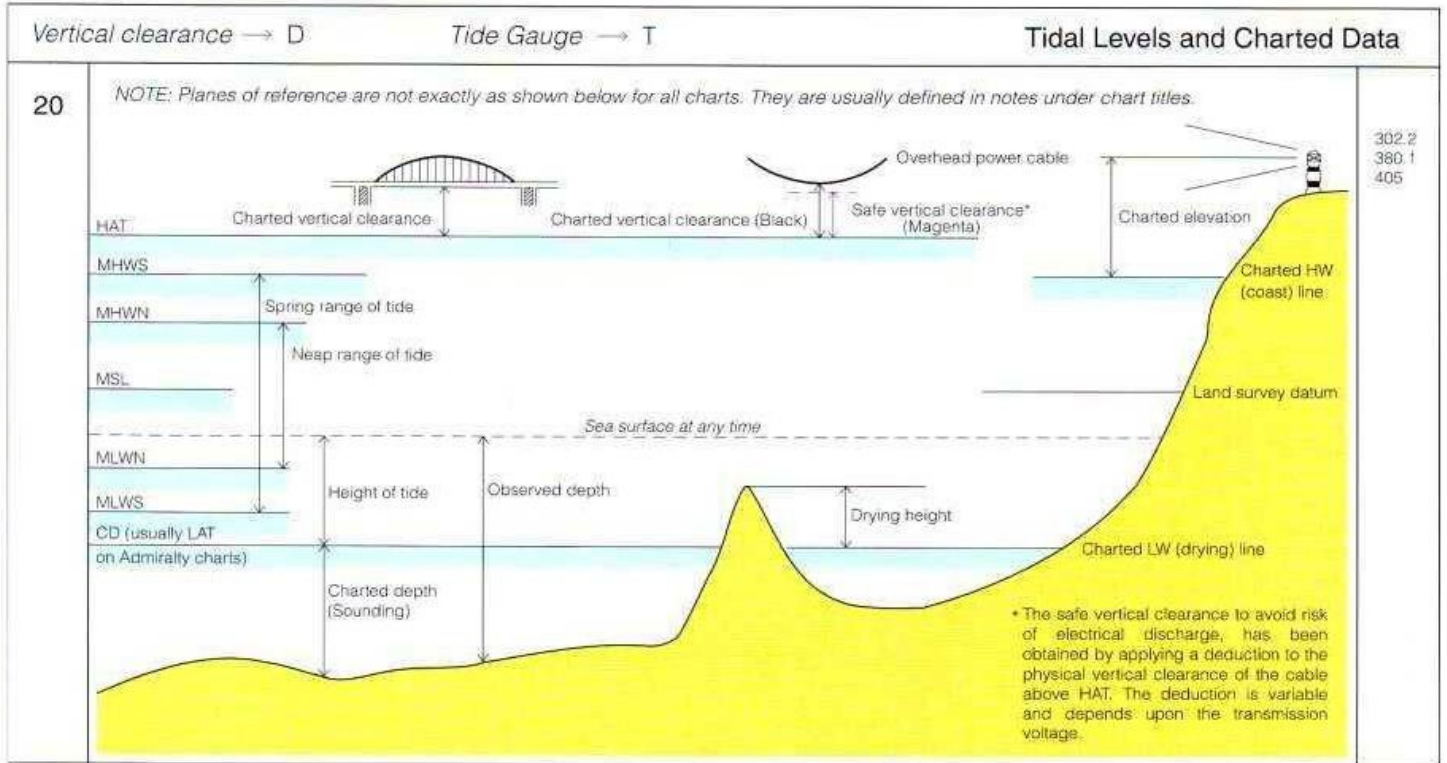
Rivers, Canals, Barrages		Clearances → D	Signal Stations → T	Cultural Features → D
40		Canal		361.6
41.1		Lock (on large-scale charts)		326.6 361.6
41.2		Lock (on smaller scale charts)		
42		Caisson, Gate		326.5
43		Flood barrage		326.7
44		Dam, Weir → Direction of flow		364.2

Transshipment Facilities		Roads → D	Railways → D	Tanks → E
50		Roll-on, Roll-off (RoRo) Ferry Terminal		321.5
51		Transit shed, Warehouse (with designation)		328.1
52		Timber yard		328.2
53.1		Crane (with lifting capacity) Travelling crane on railway		328.3
53.2		Container crane (with lifting capacity)		
53.3		Sheerlegs (conspicuous)		

Public Buildings					
60		Harbour Master's office	†	Hr Mr	325.1
61		Custom office			325.2
62.1		Health office, Quarantine building			325.3
62.2	 Hospital	Hospital		 Hosp † Hospl	
63		Post office	†	PO	372.1

H Tides, Currents

Terms Relating to Tidal Levels				
1	CD	<i>Chart Datum Datum for sounding reduction</i>		405
2	LAT	<i>Lowest Astronomical Tide</i>		405.3
3	HAT	<i>Highest Astronomical Tide</i>		
4	MLW	<i>Mean Low Water</i>		
5	MHW	<i>Mean High Water</i>		
6	MSL	<i>Mean Sea Level</i>		
7		<i>Land survey datum</i>		
8	MLWS	<i>Mean Low Water Springs</i>		
9	MHWS	<i>Mean High Water Springs</i>		
10	MLWN	<i>Mean Low Water Neaps</i>		
11	MHWN	<i>Mean High Water Neaps</i>		
12	MLLW	<i>Mean Lower Low Water</i>		
13	MHHW	<i>Mean Higher High Water</i>		
14	MHLW	<i>Mean Higher Low Water</i>		
15	MLHW	<i>Mean Lower High Water</i>		
16	Sp	<i>Spring tide</i>	† Spr.	
17	Np	<i>Neap tide</i>		
a		<i>High Water</i>	HW	
b		<i>Low Water</i>	LW	
c		<i>Mean Tide Level</i>	MTL	
d		<i>Ordnance Datum</i>	OD	



Tide Tables

30 *Tabular statement of semi-diurnal or diurnal tides*

Tidal Levels referred to Datum of Soundings

Place	Lat. N/S	Long. E/W	Heights in metres/feet above datum				Datum and Remarks
			MHWS	MHWN	MLWN	MLWS	
			MHHW	MLHW	MHLW	MLLW	

406.2
406.3
406.4
406.5















31 *Tidal stream table*

Tidal streams referred to....

Geographical Position		A	B	C	D	E
Hours Before High Water High Water High Water After High Water	Directions of streams (degrees) Rates at spring tides (knots) Rates at neap tides (knots)	-6				No Maximum Rates For predictions, use Admiralty Tide Tables
		-5				
		-4				
		-3				
		-2				
		-1				
		0				
		+1				
		+2				
		+3				
		+4				
		+5				
		+6				

407.2
407.3

H Tides, Currents

Tidal Streams and Currents		Breakers →K	Tide Gauge →T	
40		Flood tide stream (with mean spring rate)	 <p>The number of black dots on the tidal stream arrows indicates the number of hours after High or Low Water at which the streams are running</p>	407.4 408.2
41		Ebb tide stream (with mean spring rate)		407.4 408.2
42		Current in restricted waters		408.2
43		Ocean current. Details of current strength and seasonal variations may be shown.		408.3
44		Overfalls, tide rips, races		423.1
45		Eddies		423.3
46		Position of tabulated tidal stream data with designation		407.2
47		Offshore position for which tidal levels are tabulated		406.5
e		Wave recorder		Wave recorder
f		Current meter		Current meter

General				
1	ED	Existence doubtful	† (ED)	417 424.3
2	SD	Sounding of doubtful depth		417 424.4
3.1	Rep	Reported, but not confirmed	† Repd	417 424.5
3.2	Rep (1973)	Reported, with year of report, but not confirmed	† Repd (1973)	
4		Reported, but not confirmed, sounding or danger (on small-scale charts only)		M-4 Part C 404.3
a		Unexamined	unexam †unexamd	

Plane of Reference for Depths → H		Plane of Reference for Heights → H		Soundings and Drying Heights	
10	12 9 ₂ # 9.7	Sounding in true position			403.1 410/412 412.1
11	(4 ₉) + (12) 3349	Sounding out of position		* (8 ₂) (10 ₄) # + 1 ₈ 8 ₇ Z ₇	412 412.1 412.2
12		Least depth in narrow channel			412 412.1 412.2
13		No bottom found at depth shown			412.3
14	12 9 ₁	Soundings taken from old or smaller scale sources shown in upright, hairline figures			412.4 412.5
15		Drying heights and contours above chart datum			413 413.1 413.2
16		Natural watercourse (in intertidal area)			413.3




Plane of Reference for Depths → H		Depths in Fairways and Areas		
20		Limit of dredged channel or area (major and minor)	#	414.3
21		Dredged channel or area with depth of dredging in metres and decimetres	Depths may be shown as 3.5 or 3 ₅ on some adopted charts	414
22		Dredged channel or area with depth of dredging and year of the latest control survey		414.1
23		Dredged channel or area with depth regularly maintained		414.2

I Depths

24		<p>Area swept by wire drag. The depth is shown at Chart Datum. (The latest date of sweeping may be shown in parentheses)</p>		<p>415 415.1</p>
25		<p>Unsurveyed or inadequately surveyed area; area with inadequate depth information</p>		<p>410 417 417.6 417.7</p>

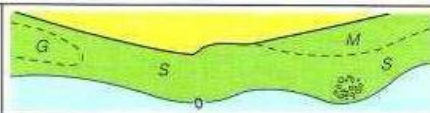
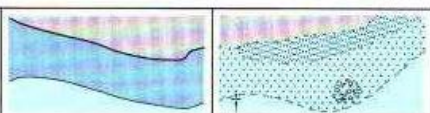
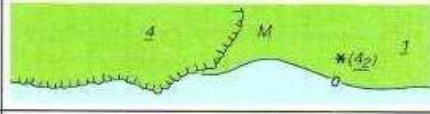
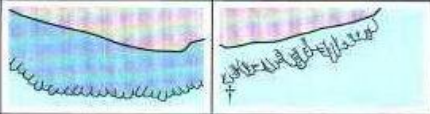

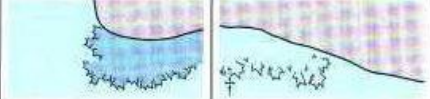
Depth Contours				
30		<p>Drying contour Low Water (LW) Line, Chart Datum (CD)</p> <p>Blue tint, in one or more shades, and tint ribbons, are shown to different limits according to the scale and purpose of the chart and the nature of the bathymetry.</p> <p>On some charts, the standard set of contours is augmented by additional contours in order to delimit particular bathymetric features or for the benefit of particular categories of shipping. However, in some instances where the provision of additional contours would be helpful, the survey data available does not permit it.</p> <p>On some charts, contours and labels are printed in blue.</p>	<p>On charts showing depths in fathoms/feet, the following contours are used:</p> <p>On some recently-corrected charts, contours may be shown by continuous lines.</p>	<p>404.2 410 411</p>
31		<p>Approximate depth contours (length of dashes may vary)</p>		<p>411.2 417.5</p>

Nature of the Seabed **J**

Rocks → K			Types of Seabed		
1	s	Sand	†	s	425 427
2	M	Mud	†	m	
3	Cy	Clay	†	cl	
4	Si	Silt			
5	St	Stones	†	st	
6	G	Gravel	†	g	
7	P	Pebbles	†	peb	
8	Cb	Cobbles			
9.1	R	Rock, Rocky	+	r	427.2
9.2	Bo	Boulder(s)			
10	Co	Coral	†	cor	
11	Sh	Shells	†	sh	
12.1	S/M	Two layers e.g. Sand over Mud		#M (25)/SG S (<1)/R (Thickness of surface layer in metres)	425.8
12.2	S,M,Sh	Mixed; where the seabed comprises a mixture of materials, the main constituent is given first, e.g. fine Sand with Mud and Shells			425.9
13.1	wd	Weed (including Kelp)	†	wd	425.5
13.2		Kelp			428.2
14		Sandwaves			428.1
15		Spring in seabed			428.3
a		Ground	†	Gd grd	
b		Goze	†	Oz	
c		Marl	†	Ml	
d		Shingle	†	Sh shin	
e		Chalk	†	Ch chk	
f		Quartz	†	Qz qrtz	
g		Madrepore	†	Md mad	
h		Basalt	†	Ba	
i		Lava	†	Lv	
j		Pumice	†	Pm pum	
k		Tufa	†	T	
l		Scoriae	†	Sc	
m		Cinders	†	Ci cin	

J Nature of the Seabed

n		Manganese	†	Mn	man	
o		Glaucinite	†	Gc		
p		Oysters	†	Oy	oys	
q		Mussels	†	Ms	mus	
r		Sponge	†	Sp		
s		Algae	†	Al		
t		Foraminifera	†	Fr	for	
u		Globigerina	†	Gl		
v		Diatoms	†	Di		
w		Radiolaria	†	Rd	rad	
x		Pteropods	†	Pt		
y		Polyzoa	†	Po	pol	

Intertidal Areas					
20		Area of sand and mud with patches of stones or gravel			426.1
21		Rocky area			426.2
22		Coral reef			426.3

Qualifying Terms					
30	i	Fine	} only used in relation to sand		425 427
31	m	Medium			
32	c	Coarse			
33	bk	Broken	†	brk	
34	sy	Sticky	†	stk	
35	so	Soft	†	sft	
36	st	Stiff	†	stf	
37	v	Volcanic	†	vol	
38	ca	Calcareous	†	cal	
39	h	Hard			425.5 425.7

Nature of the Seabed **J**


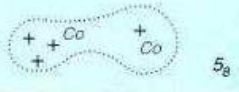

aa		<i>Small</i>	†	sm	
ab		<i>Large</i>	†	l	
ac		<i>Glacial</i>	†	ga	glac
ad		<i>Speckled</i>	†	sk	spk
ae		<i>White</i>	†	w	
af		<i>Black</i>	†	bl	blk
ag		<i>Blue</i>	†	b	
ah		<i>Green</i>	†	gn	
ai		<i>Yellow</i>	†	y	
aj		<i>Red</i>	†	rd	
ak		<i>Brown</i>	†	br	
al		<i>Chocolate</i>	†	ch	choc
am		<i>Grey</i>	†	gy	
an		<i>Light</i>	†	lt	
ao		<i>Dark</i>	†	d	










K Rocks, Wrecks, Obstructions

General			
1		Dangerline. A danger line draws attention to a danger which would not stand out clearly enough if represented solely by its symbol (e.g. isolated rock) or delimits an area containing numerous dangers, through which it is unsafe to navigate	411.4 420.1
2		Depth cleared by wire drag sweep or diver. The symbol may be used with other symbols, e.g. wrecks, obstructions, wells	415 422.3 422.9
3		Safe clearance depth. Obstruction over which the exact depth is unknown, but which is considered to have a safe clearance at the depth shown. The symbol may be used with other symbols, e.g. wrecks, wells, turbines	422.5 422.7
a		Dries	† _{Dr} † _{Dr}
b		Covers	† _{cov}
c		Uncovers	† _{uncov}

Rocks		Plane of Reference for Heights → H	Plane of Reference for Depths → H	
10		Rock (islet) which does not cover, height above height datum	(1.7) (3.1) (4.1)	421.1
11		Rock which covers and uncovers, height above Chart Datum, where known	† (1.6) Dries 1-6m † (2.1) Dr 1-6m	421.2
12		Rock awash at the level of Chart Datum		421.3
13		Underwater rock over which the depth is unknown, but which is considered dangerous to surface navigation		421.4
14		Underwater rock of known depth:		421.4
14.1		inside the corresponding depth area		
14.2		outside the corresponding depth area, dangerous to surface navigation		

Rocks, Wrecks, Obstructions **K**

















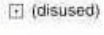





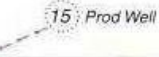




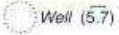

15		Underwater rock of known depth, not dangerous to surface navigation		421.4
16		Coral reef which is always covered		421.5
17		Breakers		423.2
d		Discoloured water	Discol † Discold	424.6

	Hulk → F	Plane of Reference for Depths → H	Historic Wreck → N	Wrecks and Fouls
20		Wreck, hull never covers, on large-scale charts		422.1
21		Wreck, hull covers and uncovers, on large-scale charts	†  † 	
22	 	Submerged wreck, depth known, on large-scale charts	† 	422.1
23		Submerged wreck, depth unknown, on large-scale charts	† 	422.1
24		Wreck showing any part of hull or superstructure at the level of Chart Datum		422.2
25		Wreck of which the mast(s) only are visible at Chart Datum	 	422.2
26	 	Wreck over which the depth has been obtained by sounding but not by wire sweep		422.4
27	 	Wreck, least depth obtained by wire sweep or diver		422.3
28		Wreck, depth unknown, which is considered potentially dangerous to surface navigation		422.5
29		Wreck, in over 200m or depth unknown, which is considered not dangerous to surface navigation. For information about depth criteria, which may vary, see NP100, The Mariner's Handbook		422.6
e		Submerged wreck, depth unknown	† 	








K Rocks, Wrecks, Obstructions

30		Wreck over which the exact depth is unknown, but which is considered to have a safe clearance at the depth shown		422.5 422.7
31		Foul area, not dangerous to surface navigation, but to be avoided by vessels anchoring, trawling, etc (eg remains of wreck, cleared platform)		422.8
f		Navigation light on stranded wreck		


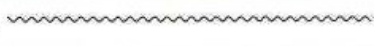

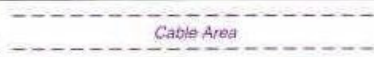
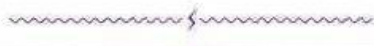
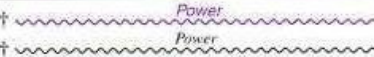
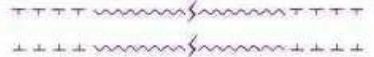
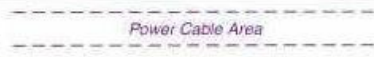

Obstructions		Plane of Reference for Depths → H	Kelp, Seaweed → J	Underwater Installations → L	
40					422.9
41					422.9
42					422.9
43.1					327.5
43.2					
44.1					447.1
44.2					447.2
45					447.3
46.1					447.5
46.2					
47					447.4
48.1					447.6
48.2					

Combined symbols → K (General)		Areas, Limits → N	General	
1	<i>EKOFISK</i> <i>OILFIELD</i>	Name of oilfield or gasfield		445.3
2		Platform with designation/name	 	445.3
3		Limit of safety zone around offshore installation		439.2 445.16
4		Limit of development area		
5.1	  FLY 	Wind turbine, lit wind turbine and wind turbine with vertical clearance		445.8
5.2	 	Wind farm, wind farm with restricted area		445.9
Mooring Buoys → Q		Platforms and Moorings		
10		Production platform, Platform, Oil derrick	 	445.2
11		Flare stack (at sea)		445.2
12		Fixed Single Point Mooring, including Single Anchor Leg Mooring (SALM), Articulated Loading Column (ALC)		445.2 445.4
13		Observation / research platform (with name)		
14		Disused platform		
15		Artificial Island		
16		Floating Single Point Mooring, including Catenary Anchor Leg Mooring (CALM), Single Buoy Mooring (SBM)		445.4
17		Moored storage tanker including FSU and FPSO		445.5
18		Mooring ground tackle for fixing floating structures		431.6
Plane of Reference for Depths → H		Obstructions → K	Underwater Installations	
20	 	Production well, with depth where known		445.5
21.1		Suspended well (wellhead and pipes projecting from the seabed) over which the depth is unknown		445.1
21.2		Suspended well over which the depth is known		445.1
21.3		Suspended well with height of wellhead above the sea floor		
22		Site of cleared platform		422.8



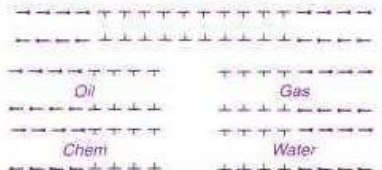
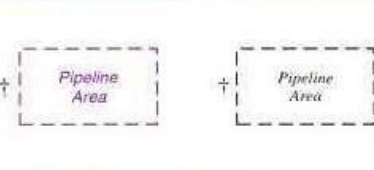

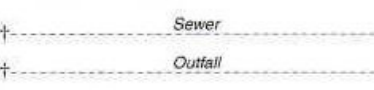

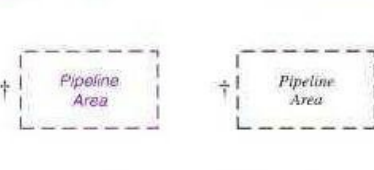
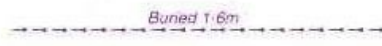
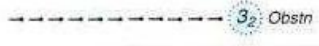
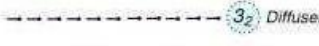
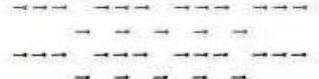
L Offshore Installations

23	 Pipe	 Pipe (1a)	Above-water wellhead (lit and unlit). The drying height or height above height datum is charted if known.		445.1
24	 Turbine	 FL(2) Underwater Turbine	Underwater turbine.		445.10
c			Single Well Oil Production System. The depth shown is the least depth over the wellhead. For substantial periods of time a loading tanker is positioned over the wellhead.	 SWOPS	445.1
d			Underwater installations: template, manifold	 Template  Manifold	445.1

Submarine Cables

30.1		Submarine cable		443.1
30.2		Submarine cable area		443.2 439.3
31.1		Submarine power cable		443.2
31.2		Submarine power cable area		443.2 439.3
32		Disused submarine cable		443.7

Submarine Pipelines

40.1		Supply pipeline: unspecified, oil, gas, chemicals, water		444 444.1
40.2		Supply pipeline area: unspecified, oil, gas, chemicals, water		444.3 439.3
41.1		Outfall and intake: unspecified, water, sewer, outfall, intake.		444 444.2
41.2		Outfall and intake area: unspecified, water, sewer, outfall, intake		444.3 439.3
42		Buried pipeline / pipe (with nominal depth to which buried)		444.5
43		Diffuser, crib		444.8
44		Disused pipeline / pipe		444.7

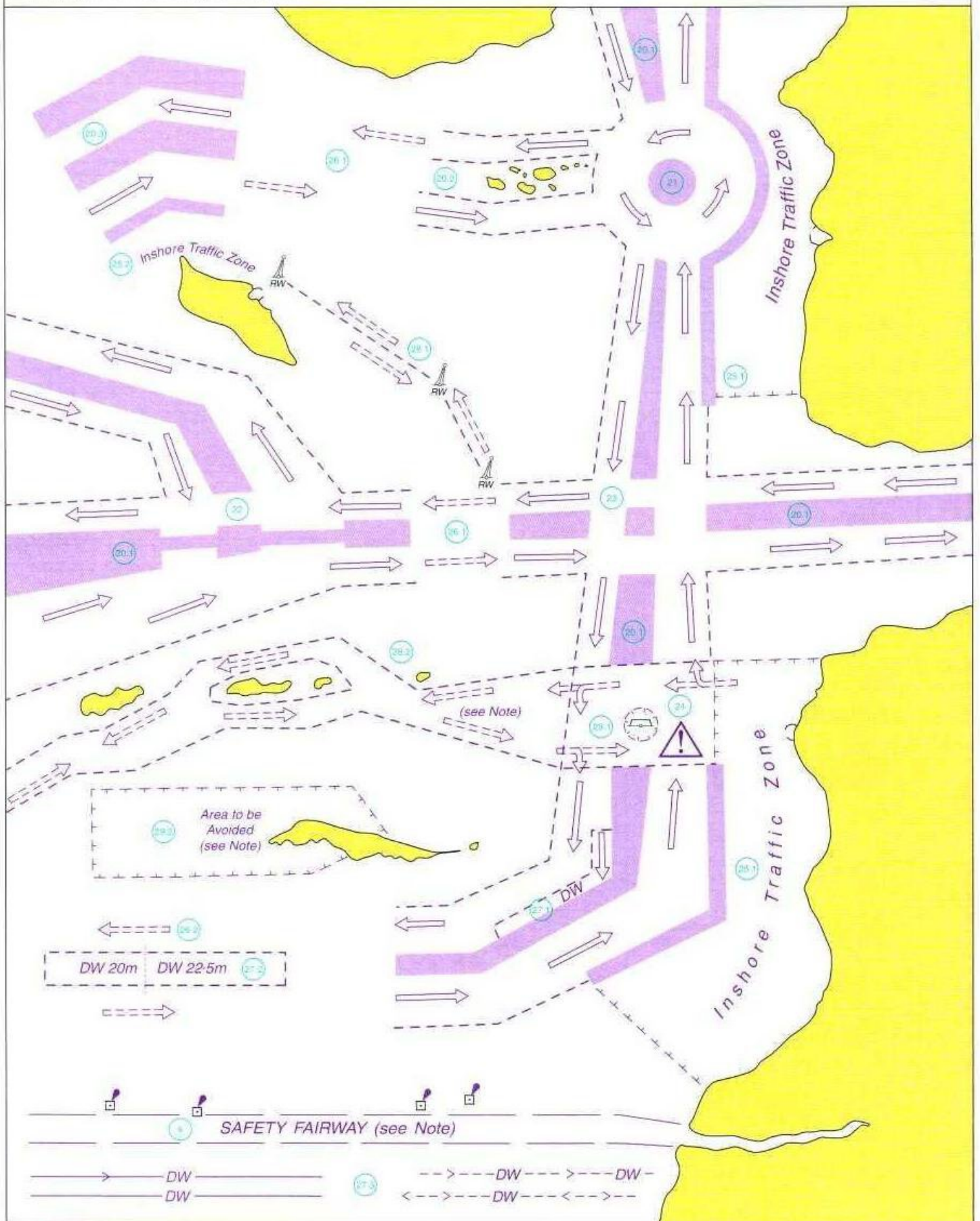
Tracks Marked by Lights → P		Leading Beacons → Q		Tracks	
1		Leading line (± means "in line", the continuous line is the track to be followed)		433.1 433.2 433.3	
2		Transit (other than leading line), Clearing line		433.4 433.5	
3		Recommended track based on a system of fixed marks		434.1 434.2	
4		Recommended track not based on a system of fixed marks		434.1 434.2	
5.1		One-way track and DW track based on a system of fixed marks		432.3	
5.2		One-way track and DW track not based on a system of fixed marks			
6		Recommended track with maximum authorised draught		432.4 434.3 434.4	

Routing Measures - Basic Symbols					
10		Established (mandatory) direction of traffic flow			435.1
11		Recommended direction of traffic flow			435.5
12		Separation line (large-scale, small-scale)			435.1 436.3
13		Separation zone			435.1 436.3
14		Limit of restricted routing measure (e.g. Inshore Traffic Zone, Area to be Avoided)			435.1 436.3 439.2
15		Limit of routing measure			435.1 436.3
16		Precautionary area			435.2
17		Archipelagic Sea Lane: axis line and limit beyond which vessels shall not navigate			435.10
18		Fairway, designated by regulatory authority with minimum depth			
		with maximum authorised draught			




















± The term 'recommended' in connection with tracks and routing measures does not imply recommendation by the United Kingdom Hydrographic Office. It is usually by a regulatory authority, but may be established by precedent.

M Tracks, Routes

Examples of Routeing Measures







Examples of Routeing Measures (see diagram on page 34)




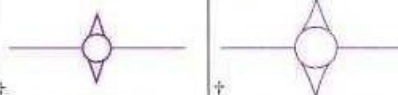
	Traffic separation scheme (TSS), traffic separated by separation zone	435.1
	Traffic separation scheme, traffic separated by natural obstructions	435.1
	Traffic separation scheme, with outer separation zone, separating traffic using scheme from traffic not using it	435.1
	Traffic separation scheme, roundabout	435.1
	Traffic separation scheme with "crossing gates"	435.1
	Traffic separation schemes crossing, without designated precautionary area	435.1
	Precautionary area	435.2
	Inshore traffic zone (ITZ), with defined end limits	435.1
	Inshore traffic zone, without defined end limits	435.1
	Recommended direction of traffic flow, between traffic separation schemes	435.5
	Recommended direction of traffic flow, for ships not needing a deep water route	435.5
	Deep water route (DW), as part of one-way traffic lane	435.3
	Two-way deep water route, with minimum depth stated	435.3
	Deep water route, centre line shown as recommended one-way or two-way track	435.3
	Recommended route (often marked by centre line buoys)	435.4
	Two-way route with one-way sections	435.6
	Area to be avoided (ATBA), around navigational aid	435.7
	Area to be avoided, because of danger of stranding	435.7
	Safety fairway	432.2

† The term 'recommended' in connection with tracks and routeing measures does not imply recommendation by the United Kingdom Hydrographic Office. It is usually by a regulatory authority, but may be established by precedent.


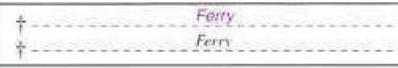

Radar Surveillance System

30		Radar surveillance station		487 487.3
31		Radar range		487.1
32.1		Radar reference line		487.2
32.2		Radar reference line coinciding with a leading line		

Radio Reporting

40.1		Radio calling-in point, way point, or reporting point (with designation, if any) showing direction(s) of vessel movement		488
40.2		Radio reporting line (with designation, if any) showing direction(s) of vessel movement		488.1

Ferries

50		Ferry		438.1
51		Cable Ferry		438.2

N Areas, Limits

General	Dredged and Swept Areas → I	Submarine Cables, Submarine Pipelines → L	Tracks Routes → M
1.1		Maritime limit in general, usually implying permanent physical obstructions.	
1.2		Maritime limit in general, usually implying no permanent physical obstructions.	
2.1		Limit of restricted area	
2.2		Limit of area into which entry is prohibited	

Anchorages, Anchorage Areas			
10		Reported anchorage (no defined limits)	
11.1		Anchor berths	
11.2		Anchor berths with swinging circle shown	
12.1		Anchorage area in general	
12.2		Numbered anchorage area	
12.3		Named anchorage area	
12.4		Deep water anchorage area, anchorage area for deep-draught vessels	
12.5		Tanker anchorage area. This symbol may be adapted for other types of vessel, e.g. small craft	
12.6		Anchorage area for periods up to 24 hours	
12.7		Explosives anchorage area	
12.8		Quarantine anchorage area	
12.9		Reserved anchorage area	
13		Seaplane operating area	
14		Anchorage for seaplanes	

Restricted Areas				
20		<i>Anchoring prohibited</i>	†	431.4 439.3 439.4
21		<i>Fishing prohibited</i>		439.3 439.4
22	<i>Example</i> 	<i>Environmentally Sensitive Sea Areas: Limit of marine reserve, national park, non-specific nature reserve</i>	†	437.3 437.6 437.7
	<i>Examples</i> 	<i>Bird sanctuary, seal sanctuary (other animal silhouettes may be used for specialized areas)</i>		
		<i>Particularly Sensitive Sea Area (coloured tint band may vary in width between 1 and 5mm)</i>		
23.1		<i>Explosives dumping ground</i>	†	442.1 442.2 442.3 442.4
23.2		<i>Explosives dumping ground (disused)</i>	†	
24		<i>Dumping ground for chemical waste</i>		442.1 442.2 442.3
25		<i>Degaussing range</i>	† <i>D.G. Range</i> <i>DG Range</i>	448.1 448.2
26		<i>Historic wreck and restricted area</i>		449.5
27		<i>Maximum speed</i>		430.2
a		<i>Seabed operations dangerous/prohibited</i>	#	
b		<i>Diving prohibited</i>	#	

Military Practice Areas				
30		<i>Firing practice area</i>		441.1 441.2 441.3
31		<i>Military restricted area into which entry is prohibited</i>	†	441.6
32		<i>Mine-laying (and counter-measure) practice area</i>		441.4
33		<i>Submarine transit lane and exercise area</i>		441.5
34		<i>Minefield</i>	†	441.8

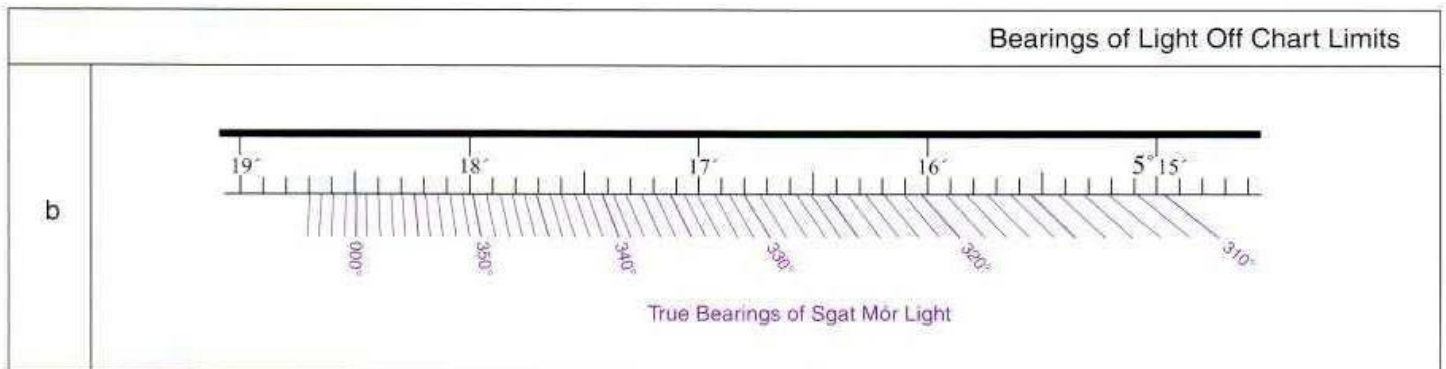
N Areas, Limits

International Boundaries and National Limits				
40		International boundary on land		440.1
41		International maritime boundary		440.3
42		Straight territorial sea baseline with base point		440.4
43		Seaward limit of Territorial Sea		440.5
44		Seaward limit of Contiguous Zone		440.6
45		National fishery limits		440.7
46		Limit of Continental Shelf		440.8
47		Limit of Exclusive Economic Zone		440.9
48		Customs limit		440.2
49		Harbour limit		430.1

Various Limits					
60.1		Limit of fast ice, ice front (with date)		449.1	
60.2		Limit of sea ice (pack ice) seasonal (with date)			
61		Floating barrier, including log ponds, security barriers, ice booms, shark nets			449.2
62.1		Spoil ground		446.1	
62.2		Spoil ground (disused)		446.2	
63		Extraction (dredging) area		446.4	
64		Cargo transshipment area		449.4	
65		Incineration area		449.3	


Beacons → Q				Light Structures, Major Floating Lights			
1		Lt	LiHo	Major light, minor light †, light, lighthouse	#		470.5
2				Lighted offshore platform			445.2
3				Lighted beacon tower †			456.4 457.1 457.2
4				Lighted beacon † On smaller scale charts, where navigation within recognition range of the daymark is unlikely, lighted beacons are charted solely as lights.	#		457.1 457.2
5				Lighted buoyant beacon, resilient beacon †			459.1 459.2
6				Major floating light (light vessel, major light float, Large Automatic Navigational Buoy (LANBY))	†	LtV	462.9 474
a				Navigation lights on landmarks or other structures			

† Minor lights, fixed and floating, usually conform to IALA Maritime Buoyage System characteristics



P Lights

Light Characters		Light Characters on Light Buoys → Q		471.2	
	Abbreviation		Class of Light	Illustration	Period shown
	International	National			
10.1	F		Fixed		
10.2	<i>Occulting (total duration of light longer than total duration of darkness)</i>				
	Oc	† Occ	Single-occulting		
	Oc(2) Example	† GpOcc(2) Example	Group-occulting		
	Oc(2+3) Example	† GpOcc(2+3) Example	Composite group-occulting		
10.3	<i>Isophase (duration of light and darkness equal)</i>				
	Iso		Isophase		
10.4	<i>Flashing (total duration of light shorter than total duration of darkness)</i>				
	Fl		Single-flashing		
	Fl(3) Example	† GpFl(3) Example	Group-flashing		
	Fl(2+1) Example	† GpFl(2+1) Example	Composite group-flashing		
10.5	LFl		Long-flashing (flash 2s or longer)		
10.6	<i>Quick (repetition rate of 50 to 79 - usually either 50 or 60 - flashes per minute)</i>				
	Q	† QkFl	Continuous quick		
	Q(3) Example	† QkFl(3) Example	Group quick		
	IQ	† IntQkFl	Interrupted quick		
10.7	<i>Very quick (repetition rate of 80 to 159 - usually either 100 or 120 - flashes per minute)</i>				
	VQ	† VQkFl	Continuous very quick		
	VQ(3) Example	† VQkFl(3) Example	Group very quick		
	IVQ	† IntVQkFl	Interrupted very quick		
10.8	<i>Ultra quick (repetition rate of 160 or more - usually 240 to 300 - flashes per minute)</i>				
	UQ		Continuous ultra quick		
	IUQ		Interrupted ultra quick		
10.9	Mb(K) Example		Morse Code		
10.10	FFl		Fixed and flashing		
10.11	Al.WR Example	† Alt.WR Example	Alternating		

Colours of Lights and Marks				
11.1	W		White (for lights, only on sector and alternating lights)	450.2 450.3 470.4 470.6 471.4 475.1
11.2	R		Red	
11.3	G		Green	
11.4	Bu		Blue	† BI
11.5	Vi		Violet	
11.6	Y		Yellow	
11.7	Y	# Or	Orange	† Or
11.8	Y	# Am	Amber	
#			Colours of lights shown on: standard charts on multicoloured charts on multicoloured charts at sector lights	

Period				
12	90s Examples	2-5s	Period in seconds and tenths of a second	† 90sec 471.5

Plane of Reference for Heights → H		Tidal Levels → H		Elevation
13	12m Example		Elevation of light given in metres.	On fathoms charts, the elevation of a light is given in feet e.g. 40ft 471.6

Range					
<i>Note: Charted ranges are nominal ranges given in sea miles</i>					
14	15M Example		Light with single range.	471.7 471.9 475.5	
	15-10M Example		Light with two different ranges		† 15,10M
	15-7M Example		Light with three or more ranges		† 15,10,7M

Disposition				
15	(hor)		horizontally disposed	† (horl.) 471.8
	(vert)		vertically disposed	† (vertl.) 471.8

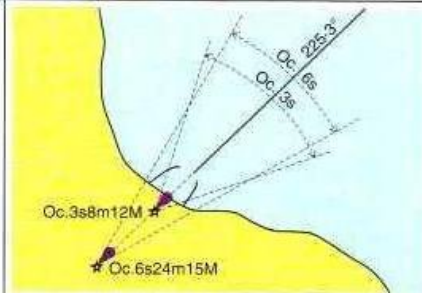

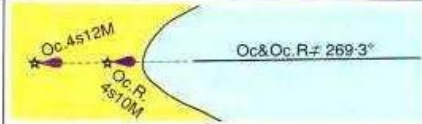
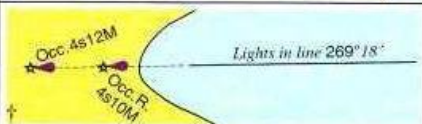
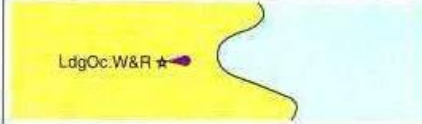
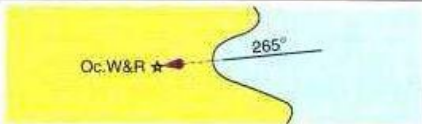
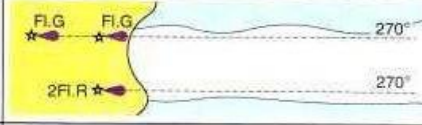
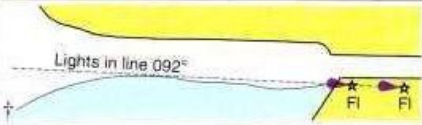
Example of a full Light Description 471.9				
16	<p>Example of a light description on a metric chart using international abbreviations: ★ Fl(3)WRG.15s13m7-5M</p> <p>Fl(3) Class or character of light: in this example a group-flashing light, regularly repeating a group of three flashes.</p> <p>WRG. Colours of light: white, red and green, exhibiting the different colours in defined sectors.</p> <p>15s Period of light in seconds, i.e., the time taken to exhibit one full sequence of 3 flashes and eclipses: 15 seconds.</p> <p>13m Elevation of focal plane above height datum: 13 metres.</p> <p>7-5M Luminous range in sea miles: the distance at which a light of a particular intensity can be seen in 'clear' visibility, taking no account of earth curvature. In those countries (eg United Kingdom) where the term 'clear' is defined as a meteorological visibility of 10 sea miles, the range may be termed "nominal". In this example the ranges of the colours are: white 7 miles, green 5 miles, red between 7 and 5 miles.</p>		<p>Example of a light description on a fathoms chart using international abbreviations: ★ Al.Fl.WR.30s110ft23/22M</p> <p>Al.Fl. Class or character of light: in this example exhibiting single flashes of differing colours alternately.</p> <p>WR. Colours of light shown alternately: white and red all-round (ie, not a sector light).</p> <p>30s Period of light in seconds, ie, the time taken to exhibit the sequence of two flashes and two eclipses: 30 seconds.</p> <p>110ft Elevation of focal plane above height datum: 110 feet.</p> <p>23/22M Range in sea miles. Until 1971 the lesser of geographical range (based on a height of eye of 15 feet) and luminous range was charted. Now, when the charts are corrected, luminous (or nominal) range is given. In this example the luminous ranges of the colours are: white 23 miles, red 22 miles. The geographical range can be found from the table in the Admiralty List of Lights (for the elevation of 110 feet, it would be 16 miles).</p>	

P Lights

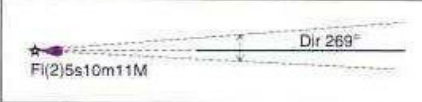
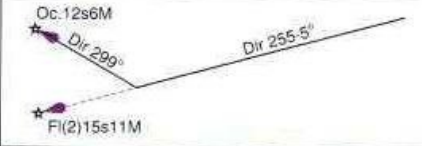
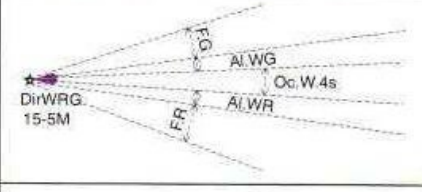
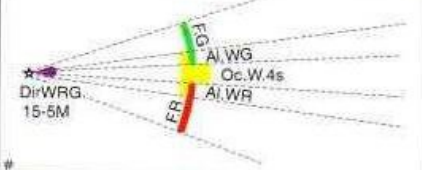

Lights marking Fairways

Note: Quoted bearings are always from seaward

Leading Lights and Lights in line





20.1		Leading lights with leading line (the firm line is the track to be followed) and arcs of visibility.		433 433.1 433.2 433.3 475.1 475.6
20.2		Leading lights (= means "in line"; the firm line is the track to be followed; the light descriptions will be at the light stars or on the leading line, not usually both).		433.2 433.3 475.6
20.3		Leading lights on small-scale charts		433.1 475.6
21		Lights in line (marking the sides of a channel)		433.4 475.6
22	Rear Lt or Upper Lt	Rear or upper light	Upr.	470.7
23	Front Lt or Lower Lt	Front or lower light	Lr	470.7







Direction Lights

30.1		Direction light with narrow sector and course to be followed, flanked by darkness or unintensified light	DirLt	
30.2		Direction light with course to be followed, uncharted sector is flanked by darkness or unintensified light	DirLt	471.3 471.9 475 475.1 475.5 475.7
30.3		Direction light with narrow fairway sector flanked by light sectors of different characters on standard charts		
30.4		Direction light with narrow fairway sector flanked by light sectors of different characters on multicoloured charts		
31		Moiré effect light (day and night), variable arrow mark. Arrows show when course alteration needed		475.8

Sector Lights				
40.1		Sector light on standard charts		475 475.1 475.2 475.5
40.2		Sector light on multicoloured charts		
41.1		Sector lights on standard charts, the white sector limits marking the sides of the fairway		475 475.1 475.5 470.4
41.2		Sector lights on multicoloured charts, the white sector limits marking the sides of the fairway		
42		Main light visible all-round with red subsidiary light seen over danger		471.8 475.4
43		All-round light with obscured sector		475.3
44		Light with arc of visibility deliberately restricted		475.3
45		Light with faint sector		475.3
46		Light with intensified sector		475.5
C		Light with unintensified sector		

P Lights


Lights with limited Times of Exhibition				
50	 FR(occas)	Lights exhibited only when specially needed (e.g. for fishing vessels, ferries) and some private lights	† (fishg.) † (Priv.) † (occas.)	473.2
51	 Fl.10s40m27M (F.37m11M Day)	Daytime light (charted only where the character shown by day differs from that shown at night)	†	473.4
52	 Q.WRG.5m10-3M (Fl.5s Fog)	Fog light (exhibited only in fog, or character changes in fog)	†	473.5
53	 Fl.5s(U)	Unwatched (unmanned) light with no standby or emergency arrangements		473.1
54	(temp)	Temporary	† (temp) † (tempy.)	
55	(exting)	Extinguished	† (extingd.)	
b		Synchronized (synchronous or sequential)	(sync) or (sync)	

Special Lights	Flare Stack (at Sea) → L	Flare Stack (on Land) → E	Signal Stations → T	
60	 AeroAl.FI.WG.7.5s11M	Aero light (may be unreliable)		476.1
61.1	 AeroFR.353m11M RADIO MAST (353)	Air obstruction light of high intensity		476.2
61.2	(89)  (R Lt.s)	Air obstruction lights of low intensity	† (Red Lt.)	476.2
62	Fog Det Lt	Fog detector light		477
63	 (illuminated)	Floodlit, floodlighting of a structure	(illum) † (lit)	478.2
64		Strip light		478.5
65	 FR (priv)	Private light other than one exhibited occasionally	# ⊙ Y.Lt # ⊙ R.Lt † (Priv)	473.2

IALA Maritime Buoyage System, which includes Beacons → Q 130


























Buoys and Beacons

General

1		Position of buoy or beacon	455.3 460.1 462.1
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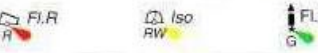
Abbreviations for colours (lights) → P 11

Colour of Buoys and Beacon Topmarks

2		Single colour; green (G) and black (B)	†  	450 450.1 450.2 450.3 464 464.1 464.2 464.3
3		Single colour other than green and black: red (R), yellow (Y), orange (Or)	†   	
4		Multiple colours in horizontal bands: the colour sequence is from top to bottom	†    	
5		Multiple colours in vertical or diagonal stripes; the darker colour is given first. In these examples: red(R), white(W), blue (Bu), yellow (Y) & black(B)	†    	
6		Retroreflecting material may be fitted to some unlit marks. Charts do not usually show it. Black bands will appear dark blue under a spotlight	† Refl	
a		Single colour other than green and black (non-IALA system; white (W) grey (Gy), blue (Bu))	†      	
b		Wreck buoy (not used in the IALA System)	† 	
c		Chequered	† 	

Marks with Fog Signals → R







Lighted Marks

7		Lighted marks on standard charts (examples)	† 	457.1 466 466.1
8		Lighted marks on multicoloured charts (examples)		

For Application of Topmarks within the IALA System → Q 130

Radar reflector → S

Topmarks and Radar Reflectors

9		IALA System buoy topmarks (beacon topmarks shown upright)	Non-IALA System #  etc.	463 463.1
10		Beacon with topmark, colour, radar reflector and designation (example)	† 	450 455.2 455.7
11		Buoy with topmark, colour, radar reflector and designation (example). Radar reflectors are not generally charted on IALA System buoys	† 	460.3 460.6 465.1 465.2









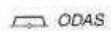



Q Buoys, Beacons


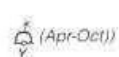
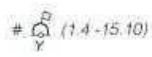

Buoys	Features Common to Beacons and Buoys → Q 1-11
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Shapes					
20		Conical buoy, nun buoy, ogival buoy	†		462.2
21		Can buoy, cylindrical buoy	†		462.3
22		Spherical buoy	†		462.4
23		Pillar buoy	†		462.5
24		Spar buoy, spindle buoy	†		462.6
25		Barrel buoy, tun buoy			462.7
26		Superbuoy. Superbuoys are very large buoys, e.g. a LANBY (P6) is a navigational aid mounted on a circular hull of about 5m diameter. Oil or gas installation buoys (L16) and ODAS buoys (Q58), of similar size, are shown by variations of the superbuoy symbol	†		445.4 460.4 462.9 474

Minor Light Floats					
30	Fl.G.3s Name	Light float as part of IALA System			462.8
31	Fl.10s	Light float not part of IALA System	†		462.8















Mooring Buoys		Oil or Gas Installation Buoy → L	Visitors' (Small Craft) Mooring → U
40		Mooring buoy	
41	Fl.Y.2-5s	Lighted mooring buoy (example)	
42		Trot, mooring buoys with ground tackle and berth numbers	
43		Mooring buoy with telegraphic or telephonic communications	
44		Numerous moorings (example)	








<i>The symbols shown below are examples; shapes of buoys may differ; lateral or cardinal buoys may be used in some situations; the use of the cross topmark is optional.</i>			Special Purpose Buoys
50		<i>Firing danger area (Danger Zone) buoy</i>	441.2
51		<i>Target</i>	
52		<i>Marker Ship</i>	
53		<i>Barge</i>	
54		<i>Degaussing Range buoy</i>	448.2
55		<i>Cable buoy</i>	443.6
56		<i>Spoil ground buoy</i>	446.3
57		<i>Buoy marking outfall</i>	444.4
58		<i>Data collection buoy (Ocean Data Acquisition System) of superbuoy size</i>	462.9
59		<i>Buoy marking wave recorder or current meter</i>	
60		<i>Seaplane anchorage buoy</i>	
61		<i>Buoy marking traffic separation scheme</i>	
62		<i>Buoy marking recreation zone</i>	
d		<i>Racing mark</i>	# 









Seasonal Buoys			
70		<i>Buoy privately maintained (example)</i>	
71		<i>Seasonal buoy (the example shows a yellow spherical buoy on station between April and October)</i>	#   460.5








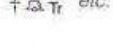

Q Buoys, Beacons





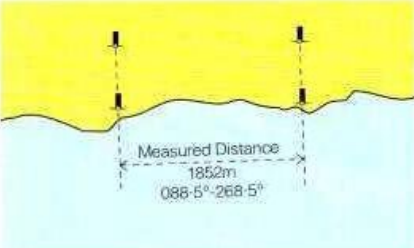



Beacons	<i>Lighted Beacons</i> → P	<i>Features Common to Beacons and Buoys</i> → Q 1-11
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General				
80	 	<i>Beacon in general, characteristics unknown or chart scale too small to show</i>		455.5
81		<i>Beacon with colour, no distinctive topmark (example)</i>		455.4 456 456.3
82	  	<i>Beacon with colour and topmark (examples)</i>	    etc.	455.4 456 463 463.1
83		<i>Beacon on submerged rock (topmark and colours as appropriate)</i>		455.6
e		<i>Beacon which does not conform with the IALA system</i>	 (non-IALA)	

Minor Impermanent Marks usually in Drying Areas (Lateral Mark for Minor Channel)					<i>Minor Pile</i> → F
90		<i>Stake, pole</i>		456.1	
91	PORT HAND 	<i>Perch, stake</i>		456.1	
	STARBOARD HAND 				
92	 	<i>Withy</i>		456.1	







Minor Marks, usually on Land					<i>Landmarks</i> → E
100		<i>Cairn</i>		456.2	
101		<i>Coloured or white mark (the colour may be indicated)</i>		456.2	
102.1	 	<i>Coloured topmark (colour known or unknown) with function of a beacon</i>	 	456.3	
102.2		<i>Painted boards with function of leading beacons</i>			

Beacon Towers				
110	     	<i>Beacons towers without and with topmarks and colours (examples)</i>	  etc.	456.4
111		<i>Lattice beacon</i>		456.4

<i>Leading Lines, Clearing Lines</i> → M		Special Purpose Beacons		
<i>Note: Topmarks and colours are shown where scale permits</i>				
120		<p><i>Leading beacons</i> (the firm line is the track to be followed)</p>		458
121		<p><i>Beacons marking a clearing line or transit</i></p>		458
122		<p><i>Beacons marking measured distance with quoted bearings. The track is shown as a firm line if it is to be followed precisely</i></p>		458
123		<p><i>Cable landing beacon (example)</i></p>		443.5 458
124		<p><i>Refuge beacon</i></p>		456.4
125		<p><i>Firing practice area beacons</i></p>		
126		<p><i>Notice board</i></p>	NB	456.2

Q Buoys, Beacons

130 IALA Maritime Buoyage System IALA International Association of Marine Aids to Navigation and Lighthouse Authorities NP 735

Where in force, the IALA System applies to all fixed and floating marks except landfall lights, leading lights and marks, sectored lights and major floating lights. The standard buoy shapes are cylindrical (can) , conical , spherical , pillar , and spar , but variations may occur, for example: minor light floats . In the illustrations below, only the standard buoy shapes are used. In the case of fixed beacons (lit or unlit) only the shape of the topmark is of navigational significance.

130.1 Lateral marks are generally for well-defined channels. There are two international Buoyage Regions - A and B - where Lateral marks differ.



A preferred channel buoy may also be a pillar or a spar. All preferred channel marks have three horizontal bands of colour.

130.2

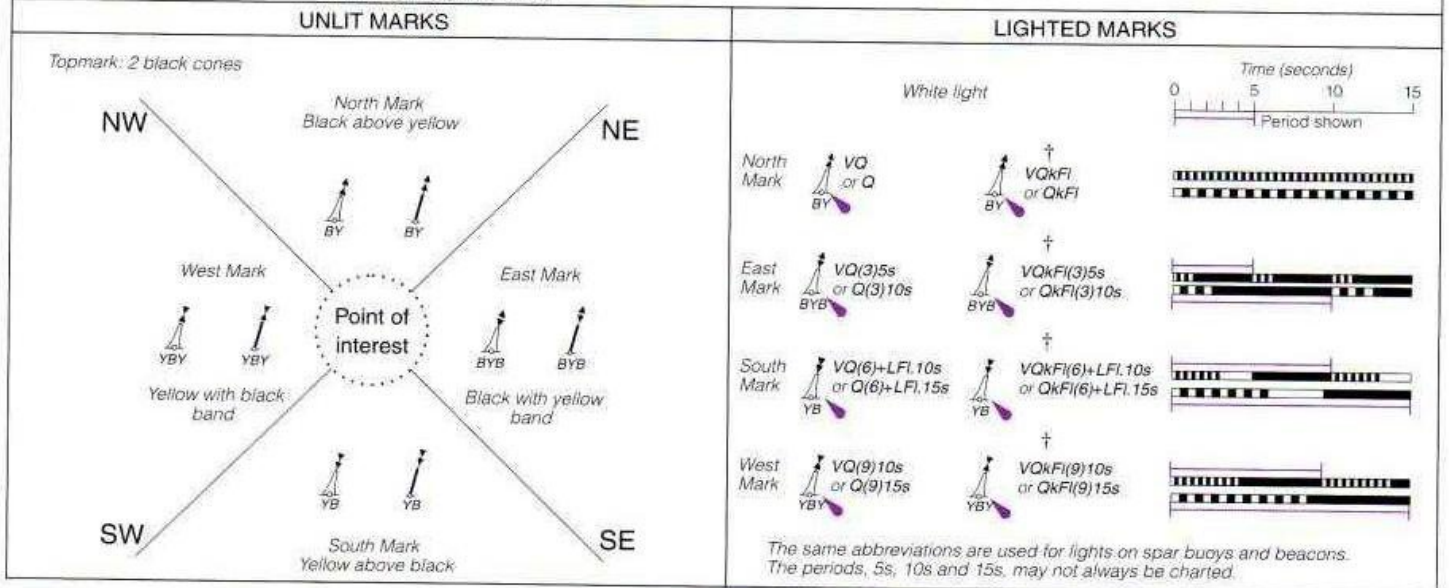


Symbol showing direction of buoyage where not obvious.



Symbol showing direction of buoyage where not obvious, on multicoloured charts (red and green circles coloured as appropriate).

130.3 Cardinal Marks indicating navigable water to the named side of the marks. Cardinal marks have the same meaning in Regions A and B.



130.4

Isolated Danger Marks, stationed over dangers with navigable water around them.

Body: black with red horizontal band(s)
 Topmark: 2 black spheres



FL(2) GpFI(2) White light

130.5

Safe Water Marks, such as mid-channel and landfall marks.

Body: red and white vertical stripes
 Topmark (if any): red sphere

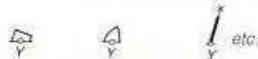


Is, or Oc, or LFI.10s, or Mo(A) Occ White light




130.6

Special Marks, not primarily to assist navigation but to indicate special features.




Body: (shape optional), yellow
 Topmark (if any): yellow X



FLY etc. Yellow light






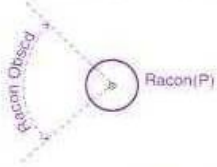
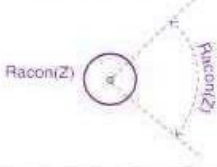
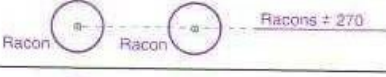




	Fog Detector Light → P	Fog Light → P	General
1	  	<i>Position of fog signal. Type of fog signal not stated.</i>	† Fog Sig 451 451.2 452.8





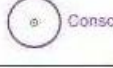
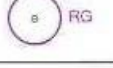
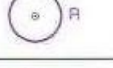
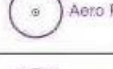
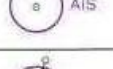

Types of Fog Signals, Abbreviations				
10	Explos	<i>Explosive</i>	† Gun	452.1
11	Dia	<i>Diaphone</i>		452.2
12	Siren	<i>Siren</i>		452.3
13	Horn	<i>Horn (nautophone, reed, tyfon)</i>	† Nauto † E.F. Horn † Tyfon † Reed	452.4
14	Bell	<i>Bell</i>		452.5
15	Whis	<i>Whistle</i>		452.6
16	Gong	<i>Gong</i>		452.7


Examples of Fog Signal Descriptions				
20	 Fl.3s70m29M Siren Mo(N)60s	<i>Siren at a lighthouse, giving a long blast followed by a short one (N), repeated every 60 seconds</i>		452.3 453.3
21	 Bell	<i>Wave-actuated bell buoy. The provision of a legend indicating number of emissions, and sometimes the period, distinguishes automatic bell or whistle buoys from those actuated by waves</i>		452.5 453 454.1
22	 Q(6)+LFl.15s Horn(1)15sWhis	<i>Light buoy, with horn giving a single blast every 15 seconds, in conjunction with a wave-actuated whistle</i>	Reserve fog signals are fitted to certain buoys Only those actuated by waves are charted	452.4 453.1 454.3

‡ The Fog Signal symbol (R1) will usually be omitted when associated with another navigation aid (e.g. light or buoy) when a description of the signal is given

S Radar, Radio, Satellite Navigation Systems

Radar	Radar Structures Forming Landmarks → E	Radar Surveillance Systems → M	
1	 Ra	Coast radar station providing range and bearing from station on request	485.1
2	 RaMark	RaMark, radar beacon transmitting continuously	486.1
3.1	 Racon(Z) (3cm)	Radar transponder beacon, with morse identification, responding within the 3cm (X) band	486.2 486.3
3.2	 Racon(Z) (10cm)	Radar transponder beacon, with morse identification, responding within the 10cm (S) band	486.3
3.3	 Racon(Z)	Radar transponder beacon, with morse identification, responding within the 3cm (X) and the 10cm (S) bands (or band unknown)	
3.4	 Racon(P)	Radar transponder beacon with sector of obscured reception	486.4
	 Racon(Z)	Radar transponder beacon with sector of reception	
3.5	 Racons ± 270	Leading radar transponder beacons (± and ‡ mean "in line")	486.5 433.3
	 Racons ‡ 270	Leading radar transponder beacons coincident with leading lights	
3.6	 Racon	Radar transponder beacons on floating marks (examples)	486.2
4	 Ra Refl	Radar reflector (not usually charted on IALA System buoys and buoyant beacons)	460.3 465
5	 Ra conspic	Radar conspicuous feature	485.2



	Radio Structures Forming Landmarks → E	Radio Reporting (Calling-in or Way) Points → M	Radio
10		Non-directional marine or aeromarine radiobeacon	481.1 480.1
11		Directional radiobeacon with bearing line	481.2
		Directional radiobeacon coincident with leading lights	
12		Rotating pattern radiobeacon	481.1
13		Consol beacon	481.3
14		Radio direction-finding station	483
15		Coast radio station providing QTG service	484
16		Aeronautical radiobeacon	482
17.1		Automatic Identification System transmitter	489.1
17.2		Automatic Identification System transmitters on floating marks (examples)	489.1

Satellite Navigation Systems					
50	WGS	WGS72	WGS84	World Geodetic System, 1972 or 1984	201
<p><i>Note:</i> A note may be shown to indicate the shifts of latitude and longitude, to one, two or three decimal places of a minute, depending on the scale of the chart, which should be made to satellite-derived positions (which are referred to WGS84) to relate them to the chart. See Annual Notice to Mariners No. 19.</p>					202
51				Station providing Differential Global Positioning System corrections	481.5













T Services

Pilotage					
1.1		<i>Pilot boarding place, position of pilot cruising vessel</i>		<i>Pilots</i>	491.1 491.2 491.6
1.2		<i>Pilot boarding place, position of pilot cruising vessel, with name (e.g. District, Port)</i>			
1.3		<i>Pilot boarding place, position of pilot cruising vessel, with note (e.g. Tanker, Disembarkation)</i>			
1.4		<i>Pilots transferred by helicopter</i>			
2		<i>Pilot office with Pilot lookout, Pilot lookout station</i>			491.3
3		<i>Pilot office</i>			491.4
4		<i>Port with pilotage service (boarding place not shown)</i>			491.5








Coastguard, Rescue					
10		<i>Coastguard station</i>			492 492.1 492.2
11		<i>Coastguard station with Rescue station</i>			493.3
12		<i>Rescue station, Lifeboat station, Rocket station</i>			493 493.1
13		<i>Lifeboat lying at a mooring</i>			493.2
14		<i>Refuge for shipwrecked mariners</i>			456.4

					Stations
20	⊙ SS	Signal station in general	† Sig Sta	† Sig Strn	490.3
21	⊙ SS(INT)	Signal station showing International Port Traffic Signals			495.5
22	⊙ SS(Traffic)	Traffic signal station, Port entry and departure signals			495.1
23	⊙ SS(Port Control)	Port control signal station			495.1
24	⊙ SS(Lock)	Lock signal station			495.2
25.1	⊙ SS(Bridge)	Bridge passage signal station			495.3
25.2	 Traffic Sig	Bridge lights including traffic signals			495.4
26	⊙ SS	Distress signal station			497
27	⊙ SS	Telegraph station			497.1
28	⊙ SS(Storm)	Storm signal station	† Storm Sig	† Strm. Sig. Strn.	494.1
29	⊙ SS(Weather)	Weather signal station, Wind signal station			494.1
30	⊙ SS(Ice)	Ice signal station			494.1
31	⊙ SS(Time)	Time signal station			494.2
32.1		Tide scale or gauge	⊙ Tide gauge		496.1
32.2	⊙ Tide gauge	Automatically recording tide gauge			
33	⊙ SS(Tide)	Tide signal station			496.2
34	⊙ SS(Stream)	Tidal stream signal station			496.3
35	⊙ SS(Danger)	Danger signal station			490.1
36	⊙ SS(Firing)	Firing practice signal station			490.1

U Small Craft (Leisure) Facilities

Small Craft (Leisure) Facilities		Transport Features, Bridges →D Public Buildings, Cranes →F	Pilots, Coastguard, Rescue, Signal Stations →T	
1.1		Yacht harbour, Marina		320 2
1.2		Yacht berths without facilities		
2		Visitors' berth		
3		Visitors' mooring		
4		Yacht club, Sailing club		
5		Public slipway		
6		Boat hoist		
7		Public landing, Steps, Ladder		
8		Sailmaker		
9		Boatyard		
10		Public house, Inn		
11		Restaurant		
12		Chandler		
13		Provisions		
14		Bank, Bureau de change		
15		Physician, Doctor		
16		Pharmacy, Chemist		
17		Water tap		
18		Fuel station (Petrol, Diesel)		
19		Electricity		

Small Craft (Leisure) Facilities U

20		Bottled gas		
21		Showers		
22		Laundrette		
23		Public toilets		
24		Post box		
25		Public telephone		
26		Refuse bin		
27		Public car park		
28		Parking for boats and trailers		
29		Caravan site		
30		Camping site		
31		Water police		

HARBOUR / MARINA FACILITIES	MARINA FACILITIES													Telephone Area Code	Telephone Number	Fax Number			
	Diesel	Bottled Gas	Electricity	Crane/Boat Hoist	Scrubbing Berth	Repairs	Launching Berth	Portoon Berth	Swinging Moorings	Chandlery	Laundrette	Showers	VHF Radio Channels						
FALMOUTH - Falmouth Visitors Yacht Haven																12	+44 (0) 1326	312285	211352
- Mylor Yacht Harbour																80/M	+44 (0) 1326	372121	372120
HELFORD - Helford Moorings Officer																-	+44 (0) 1326	250749	-

Marina Facilities may be tabulated on harbour charts and large scale coastal charts.

● indicates that the facility is available at the marina itself. Laundrettes etc. located outside the marina are not included. The facilities may not be available outside normal working hours. All marinas have water, toilets and rubbish disposal.

Corrections
 Information on small craft (leisure) facilities will be updated as charts are revised by New Edition. The United Kingdom Hydrographic Office would be pleased to receive reports of alterations or additions to small craft facilities.

V Abbreviations of Principal Non-English Terms

Glossaries of non-English terms will be found in the volumes of Admiralty Sailing Directions.

On metric Admiralty charts, non-English terms are generally given in full wherever space and information permits. Where abbreviations are used on metric charts they accord with the following list, apart from those on charts published before 1980 where full stops are omitted. Obsolescent forms of abbreviations may also be found on these charts and on reproductions of other nations' charts.

CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING	CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING
ALBANIAN				FRENCH (continued)			
	K	Kodër, Kodra	Hill	F.	Fl	Fleuve	Large river
ARABIC				Ft.	Ft	Fort	Fort
Geb.	Djeb, Dj	Djebel	Mountain, Hill	G.	Gd, G ^d , Gde, G ^{de}	Golfe	Gulf
J.	G	Gebel	Mountain, Hill	Ht.Fd.	H.F., Ht fd, H ^{fd} , H ^f fond	Grand, Grande	Great
Jab.	Jab, J ^l	Jabal, Jibāl, Jebel	Mountain(s), Hill(s)	Ht.Fd.	H.F., Ht fd, H ^{fd} , H ^f fond	Haut-fond	Shoal
Jaz.	Jazt	Jazirat, Jazā'ir	Island(s), Peninsula	Î.	I, I ^t	Île, Îles, Îlot	Island(s), Islet
Jeb.	J, J ^l	Jebel	Mountain, Hill	L.	Mn, M ⁿ	Lac	Lake
Jez.	Jez ^t	Jezirat	Island, Peninsula	Mlg.	Mge, M ^{ge} , Mou	Moulin	Mill
Kh.	K	Khawr, Khôr	Inlet, Channel	Mt.	M ^t	Mouillage	Anchorage
W.	Si, S ^l	Sidi	Tomb	N.D.	N.D.	Mont	Mount, Mountain
		Wād, Wādi	Valley, River, River bed	P.	Pet, P ^t , pite, pt	Notre Dame	Our Lady
				Pt.	Pn, P ^{on}	Port	Port
CHINESE				Pl.	Plat	Petit, Petite	Small
Chg.	Ch ^g	Chiang	River, Shoal, Harbour, Inlet, Channel, Sound	Plat.	Pla, Plat ^u	Piton	Peak
DANISH				Pte.	pte	Plage	Beach
B.		Bugt	Bay, Bight	Qu.	Quai	Plateau	Tableland, Sunken flat
Bk.	B ^k	Banke	Bank	R.	Rau, Riv, R ^{au}	Pointe	Point
Fj.	F ^d	Fjord	Inlet	Rav.	R ^{av} , R ^{ne}	Quai	Quay
Gr.	Grd, Gr ^d , G ^d	Grund	Shoal	Roc.	Re, R ^e , Rer, R ^{er}	Rivière, Ruisseau	River, Stream
H.	Hm, H ^m , Hne, H ^{ne}	Holm, Holmene	Islet(s)	S.	St, S ^t , Ste, S ^{te}	Ravine	Ravine
Hd.	H ^d	Hoved	Headland	Som.	Som.	Récif	Reef
Hn.	H ⁿ	Havn, Havnen	Harbour	Tr.	T ^r	Roche, Rocher	Rock
Li.		Lille	Little		V, V ^x	Saint, Sainte	Saint, Holy
N.		Nord, Nordre	North, Northern			Sommet	Summit
Ø.		Øst, Østre	East, Eastern			Tour	Tower
Øy.	Øne, Ø ^{ne} , Ône, Ô ^{ne}	Øyane, Øyene, Øyane	Islands			Vieux, Vieil, Vielle	Old
		Øyene		Gaelic			
Pt.	P ^t	Pynt	Point	Bo.		Bogha	Below water rock
S.		Sønder, Søndre	South, Southern	Eil.	E, En, E ⁿ	Eilean, Eileanan	Island(s), Islet(s)
Sd.	S ^d	Sund, Sundet	Sound	Ru.	R ^u	Rubha	Point
Sk.	Sk ^r , Sk ^r	Skær, Skjær	Rock above water	Sg.	Sgr, Sg ^r	Sgeir	Rock
St.		Stor	Great	German			
V.		Vest, Vestre	West	B.		Bucht	Bay
DUTCH				Bg.	B ^g	Berg	Mountain
B.	B ⁱ	Baai	Bay	Gr.	Grd, Gr ^d , G ^d	Grund	Shoal
Bg.	B ^g	Berg	Mountain	Hn.	H ⁿ	Hafen	Harbour
Bk.	B ^k	Bank	Bank	K.		Kap	Cape
Eil.	Eiln, Eil ⁿ	Eiland, Eilanden	Island(s)	Rf.	R ^f	Riff	Reef
G.		Golf	Gulf	Schl	Schl	Schloss	Castle
H.		Groot, Groote	Great	Greek			
Pt.	P ^t	Hoek	Cape, Hook	Ág., Ag.	Áy., Ay.	Ágios, Ágia	Saint, Holy
R.		Punt	Point	Ágk.	Ángir., Áng	Ágkál	Bight, Open bay
Rf.	R ^f	Rivier	River	Ágky.	Ángir., Áng	Ágkyrovóllo	Anchorage
Str.	Strn, St ^r , St ⁿ	Rif	Reef	Ák., Ak.		Ákra, Akrotirio	Cape
		Straat, Straten	Strait(s)	Kól.	Kól	Kólpos	Gulf
FINNISH				Lim.		Limín, Liménas	Harbour
K.		Kari, Kallio, Kivi	Rock, Reef	N.	N	Nísos, Nísol	Island(s)
Lu.		Luoto, Luodet	Rock(s)	N.	N	Nísida, Nísides	Islet(s)
Ma.		Matala	Shoal	Ó.	O	Órmos	Bay
		Pieni, Pikku	Small	Or.	Or	Ormískos	Cove
Sa.	P	Saari, Saaret	Island(s)	Ór.	Or	Óros, Óroi	Mountain(s)
Tr.	S ^a	Torni	Tower	Pot.	Pot	Potamós	River
	T ^t				Prof	Profitis	Prophet
FRENCH				Sk.		Skópelos, Skópelol	Reef(s), Drying rock(s)
B.	B ^e	Baie	Bay	Vrach.	Vrak	Vrachonisida, Vrachonisídes	Rocky islets
Bas.	B	Basse	Shoal	Vrach.	Vrák	Vráchos, Vráchol	Rock(s)
Bc.	B ^c	Banc	Bank	Yf.	Íf.	Ýtalos, Ýtaloi	Reef(s)
	Bssn, Bn, B ⁿ	Bassin	Basin	ICELANDIC			
C.		Cap	Cape	Fj.	Fjr, F ^{dr}	Fjörður	Fjord
Cal.	Ch ^{al} , Chen	Chenal	Channel	Gr.		Grunn	Shoal
Ch.	Chap, Chap ^e	Chapelle	Chapel				
Chát.	Chát ^u , Ch ^{au}	Château	Castle				

Abbreviations of Principal Non-English Terms V

CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING	CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING
INDONESIAN and MALAY				JAPANESE (continued)			
A.		Air, Ajer, Ayer	Stream	J.	J ^a	Jima	Island
B.	Bu, B ^u	Batu	Rock	K.	Ka, K ^a	Kawa	River
Bat.	Btg, B ^{tg} Bdr, B ^{dr} Br, B ^r Bt, B ^t Gg, G ^g	Batang Bandar, Bendar Besar Bukit Gosong, Gosung, Gusong, Gusung	River Port Great Hill Shoal, Reef, Islet	M.	Kaik, Ko, K ^o Mki, M ^{ki} , M ⁱ Ma, M ^a Mi, M ⁱ Si, S ⁱ So, S ^o	Kaikyō Misaki Mura Machi Saki Shima	Strait Cape Village Town Cape, Point Island
Gun.	Gg, G ^g	Gunong, Gunung	Mountain	S.	Sn, S ⁿ So, S ^o Sdo, S ^{do} Te, T ^e Ya, Y ^a	San Seto Suidzē Take Yama	Mountain Strait Channel Hill, Mountain Mountain
K.	Ki, K ⁱ	Kali	River	Z.	Z ⁱ Z ⁿ	Zaki Zan	Cape, Point Mountain
K.	Kr	Kroeng, Krueng	River	MALAY (see INDONESIAN)			
Kam.	Kg, K ^g	Kampung, Kampung	Village	NORWEGIAN			
Kar.	Kg, K ^g	Karang	Coral reef, Reef	B.	B, B ^{kt}	Bukt, Bukta	Bay, Bight
Kep.	Kpn, K ^{pn}	Kepulauan	Archipelago	Bg.	B ^g	Berg, Bierg, Bjerg	Mountain, Hill
Kl.	K ⁱ	Kachil, Kechil, Ketjil, Kecil	Small	Fd.	F ^d , Fj	Fjord, Fjorden	Fjord
Ku.	Kla, K ^{la}	Kuala	River mouth	Fjel.	Fj	Fjell, Fjället, Fjeld, Fjeldet	Mountain
Lab.	Labn, Lab ⁿ	Labuan, Labuhan	Anchorage, Harbour	Fl.	Fine, F ^{ne}	Flu, Flua, Fluén, Fluane, Fluene	Below water rock(s)
Mu.	Ma, M ^a	Muara	River mouth	Gr.	Grne, Gr ^{ne}	Grunn, Grunnen, Grunnane	Shoal(s)
P.	Pu, P ^u , p ^o	Pulau, Pulu, Pulo	Island	H.	Hm, H ^m , Hne, H ^{ne}	Holm, Holmen, Holmane	Islet(s)
Peg.		Pegunungan	Mountain range	Hn.	H ⁿ	Hamn, Havn	Harbour
Pel.	Pln, P ^{ln}	Pelabuan, Pelabuhan	Roadstead, Anchorage	in.	In ^r , I	Indre, Inre, Inste	Inner
P.-P.	P.P. Prt, P ^{rt}	Pulau-pulau Parit	Group of islands Stream, Canal, Ditch	L.		Lille, Liten, Litla, Little	Little
S.	Si, S ⁱ	Sungai, Sungei	River	Lag.	La, L ^a	Laguna	Lagoon
Sel.	Sit, S ^{it}	Selat	Strait	N.		Nord, Nordre	North, Northern
T.	Tg, T ^g	Tandjong, Tandjung, Tanjong, Tanjung Tanjung	Cape	Ø.	Ö	Øst, Østre, Øst, Østre	East, Eastern
Tel.	Tal, Tk, T ^k	Taluk, Telok, Teluk	Bay	Od.	O	Odde, Odden	Point
U.	Ug, U ^g	Udjung, Ujung	Cape	Øy.	Ø, Ø, O	Øy, Øya, Øy, Øya	Island
W.		Wai	River	Øy.	Øne, Ø ^{ne} , Øne, Ø ^{ne}	Øyane, Øyene, Øyane, Øyene	Islands
ITALIAN				Pt.	P ^t	Pynten, Pynten	Point
Anc.		Ancoraggio	Anchorage	S.		Syd, Søre, Søndre	South, Southern
B.		Baia	Bay	Sd.	S ^d	Sund, Sundet	Sound
Banch.	Bna, B ^{na}	Banchina	Quay	Sk.	Skr, Sk ^r	Skjær, Skjer, Skjeret	Rock above water
Bco.	B ^{co}	Banco	Bank	Sk.	Skne, Sk ^{ne}	Skjerane, Skjærane	Rocks above water
C.		Capo	Cape	St.		Stor, Stora, Store	Great
Cal.		Calata	Wharf	Tar.	Tn, T ⁿ	Taren	Below water rock
Can.		Canale	Channel	V.		Vest, Vestre	West
Cas.		Castello	Castle	Vag.	Vg, V ^g Vd, V ^d	Våg, Vågen Vand	Bay, Cove Lake
F.		Fiume	River	Vik.	Vk, V ^k Vn, V ⁿ	Vik, Vika, Viken Vann, Vatn	Bay, Inlet Lake
Fte.	F ^{te}	Forte	Fort	Y.	Y ^t	Ytre, Ytter, Yttre	Outer
G.		Golfo	Gulf	PERSIAN			
I.	Gde, G ^{de}	Grande	Great	B.		Bandar	Harbour
I.	I ^a , I ^e	Isola, Isole	Island(s)	Jab.		Jabal	Mountain, Hill
I.	I ^o , I ⁱ	Isolotto, Isolotti	Islet(s)	Jaz.	Jazh, Jaz ^h	Jazireh	Island, Peninsula
L.		Lago	Lake	Kh.	K	Khowr	Inlet, Channel
Lag.	La, L ^e	Laguna	Lagoon	R.		Rūd	River
	Mda, Mad, Mad ^a , Mad ^{na}	Madonna	Our Lady	POLISH			
Mte.	M ^{te}	Monte	Mount, Mountain	Jez.		Jeziro	Lake
P.	Pto, P ^{to}	Porto	Port	Kan.		Kanal	Channel
P.	Portlo, Port ^{lo}	Porticciolo	Small port	Miel.		Mielizna	Shoal
Pco.	P ^{co}	Picco	Peak	R.		Rzeka	River
Pog.	Pgio, P ^{gio}	Poggio	Mound, Small hill	W.	Wys, Wa, W ^a	Wyspa	Island
Pta.	P ^{ta}	Punta	Point, Summit	Zat.		Zatoka	Gulf, Bay
	Pte, P ^{te} Pzo, P ^{zo}	Ponte Pizzo	Bridge Peak	PORTUGUESE			
S.	Sto, S ^{to} , Sta, S ^{ta}	San, Santo, Santa	Saint, Ho/y	Anc.		Ancoradouro	Anchorage
S.	SS, S.S.	Santi	Saints	Arq.	Arqu ^o	Arquipélago	Archipelago
Scog.	Sco, Sci, Sc, Sc ⁱ	Scoglio, Scogli	Rock(s), Reef(s)	B.		Baia	Bay
Scog.	Sc, Scra	Scogliera	Ridge of rocks, Breakwater	Bco.	B ^{co}	Banco	Bank
Sec.	Se T, T ^{te}	Secca, Secche Torrente	Shoal(s) Intermittent stream	Bxo.	Ba, B ^{xo} , Bxa, B ^{xa}	Baixo, Baixa, Baixia, Baixio	Shoal
Tr.	Tre, T ^{re} Va, V ^a	Torre Villa	Tower Villa	Co.	C.	Cabo	Cape
JAPANESE				JAPANESE			
B.	B ^a	Bana	Cape, Point	B.		Baia	Bay
By.	Bi, B ⁱ	Byōchi	Anchorage	Bco.	B ^{co}	Banco	Bank
	D ^e	Dake	Mountain, Hill	Bxo.	Ba, B ^{xo} , Bxa, B ^{xa}	Baixo, Baixa, Baixia, Baixio	Shoal
G.	G ^a	Gawa	River	Co.	C.	Cabo	Cape
H.	Ha, H ^a	Hana	Cape, Point				
Hak.	Hi, H ⁱ	Hakuchi	Roadstead				

V Abbreviations of Principal Non-English Terms

CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING	CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING
PORTUGUESE (continued)							
Can.		Canal	Channel	SPANISH			
Ens.	Ens ^a	Enseada	Bay, Creek	A.	Arro, Arr ^o	Arroyo	Stream
Est.	Est ^o	Esteiro	Creek, Inlet	Arch.	Arch ^o	Archipiélago	Archipelago
Estr.		Estreito	Strait	Arrf.	Arr ^e , Arr ^{fe} , Arr	Arrecife	Reef
Estu.	Est, Est ^o	Estuario	Estuary	Ba.	B ^a	Bahía	Bay
Fte.	F ^{te}	Forte	Fort	Bo.	B ^o	Bajo	Shoal
Fte.	Ftza, Ftza	Fortaleza	Fortress	Bco.	B ^{co}	Banco	Bank
Fund.		Fundeadouro	Anchorage	Br.	Bzo, B ^{zo}	Rompientes	Breakers
G.		Golfo	Gulf	C.		Cabo	Cape
	Gde, G ^{de}	Grande	Great	Cal.	Cta	Caleta	Cove
I.		Ilhéu, Ilhéus, Ilhota	Islet(s)	Can.		Canal	Channel
I.		Ilha, Ilhas	Island(s)	Cer.	Co, C ^o	Cerro	Hill
L.		Lago	Lake	Cre.		Cumbre, Cima	Summit
L.		Lagoa	Small lake, Marsh		Cy	Cayo	Cay, Key
La.	Le, L ^e	Laje	Fiat-topped rock	Ens.	Ens ^a	Ensenada	Bay, Creek
Lag.	La, L ^a	Laguna	Lagoon	Est.	Est ^o	Estero	Creek, Inlet
Mol.	Me, M ^e	Moihe	Mole	Estr.		Estrecho	Strait
Mor.	Mo, M ^o	Morro	Headland, Hill	Estu.	Est, Est ^o	Estuario	Estuary
Mt.	M ^{te} , Mte	Monte, Montanha	Mount, Mountain	Fond.	Fond ^o	Fondeadero	Anchorage
NS.	Na.Sa, N ^a SA	Nosso Senhor, Nossa Senhora	Our Lord, Our Lady	Fte.	F ^{te}	Fuerte	Fort
				G.		Golfo	Gulf
P.	Pto, P ^{to}	Porto	Port		Gde, G ^{de}	Grande	Great
Pal.	Pals, Pal ^s	Paiheiros	Fishing village	I.	ja	Isla, Islas	Island(s)
Par.	Pel, P ^{el}	Parcel	Shoal, Reef	I.	je	Islote, Isleta	Islet
Pass.	Pas	Passagem, Passo	Passage, Pass	L.		Lago	Lake
	Pco, P ^{co} , po	Pico	Peak	Lag.	La, L ^a	Laguna	Lagoon
Pda.	pda	Pedra	Rock	Mor.	Mo, M ^o	Morro	Headland, Hill
	Peq	Pequeno, Pequena	Small	Mte.	M ^{te}	Monte	Mount, Mountain
Pr.	Pa, P ^a	Praia	Beach	Mu.	Me, M ^e , M ^{le}	Muelle	Mole
Pta.	pta	Ponta	Point		Na. Sa, N ^a SA	Nuestra Señora	Our Lady
Queb.		Quebrada, Quebrado	Cut, Ravine	P.	Pto, P ^{to}	Puerto	Port
Rch.		Riacho, Ribeira, Ribeirão	Creek, Stream, River	Pco.	pco, po	Pico	Peak
		Recife	Reef	Pda.	pda	Piedra	Rock
Rf.		Rio	River	Pen.	Pen ^{la}	Península	Peninsula
Ro.	R	Rocha, Rochedo	Rock		Peq	Pequeño, Pequeña	Small
Roc.	Ra, R ^a	São, Santo, Santa	Saint, Holy	Pl.	Pa, P ^a	Playa	Beach
S.	Sto, S ^{to} , Sta, S ^{ta}	Serra, Cordilheira	Mountain range	Prom.	Prom ^{to}	Promontorio	Promontory
Sa.	Sa, S ^a , Sr	Vila	Town, Village, Villa	Pta.	pta	Punta	Point
	Va, V ^a			Queb.		Quebrada	Cut, Ravine
				R.		Río	River
				Rga.		Restinga	Shoal, Sandbank
				Roc.	Ra, R ^a	Roca	Rock
				S.	Sn, S ⁿ , Sto, S ^{to} , Sta, S ^{ta}	San, Santo, Santa	Saint, Holy
				Sr.	Sa, S ^a	Sierra	Mountain range
				Surg.	Surgo, Surg ^o	Surgidero	Anchorage, Roadstead
				Tr.	T ^{re}	Torre	Tower
					Va, V ^a	Villa	Villa, Small town
ROMANIAN				SWEDISH			
A.		Ansă, Ansa	Cove	B.		Bukt	Bay, Bight
B.		Baie, Baia	Bay	Bg.	Bgt, B ^g	Berg, Berget	Mountain
Br.		Braț, Brațul, Brațu	Branch, Arm (of the sea)		Bk, B ^k	Bank	Bank
				Fj.	F ^d	Fjärd, Fjord	Fjord
C.		Cap, Capul, Capu	Cape		Gla, G ^{la}	Gamla	Old
Di., D-le.		Deal, Dealul, Dealuri, Dealurile	Hill(s)	Gr.	Grn, Grd, G rd , G ^d	Grund	Shoal
				H.	Hm, H ^m	Holme, Holmarna	Islet
Fd.mic		Fund mic	Shoal		Hd, H ^d	Huvud	Headland
I.		Insulă, Insula	Island		Hn, H ⁿ	Hamn, Hamnen	Harbour
L.		Lac, Lacul, Lacu	Lake	I.		Inre	Inner
Mt., M-ți.		Munte, Muntele, Munți, Muntii	Mountain, Mounts	L.		Lilla, Liten	Little, Small
				N.		Nord, Norra	North, Northern
O.		Ostrov, Ostrovl, Ostrovu	Island	Ö.		Öst, Östra	East, Eastern
S.		Stîncă, Stînce	Rock	S.		Syd, Södra	South, Southern
Sf.		Sfînt, Sfîntu, Sfîntul, Sfînta	Saint, Holy	Sk.	Sk ^f	Skär, Skäret, Skären	Rock above water
				St.		Stor	Great, Large
Str.		Strîmtoare, Strîmtoarea	Pass, Strait	V.		Väst, Västra	West, Western
				Y.	Y ^f	Yttre	Outer
RUSSIAN				THAI			
B		Bukhta	Bay, Inlet	Kh.		Khao	Hill, Mountain
b-ka.	Bka, B ^{ka} , Bki, B ^{kl} , Bk	Banka, Banki	Bank(s)	L.	Lm, L ^m	Laem	Cape, Point
Bol.		Bol'shoy, Bol'shaya, Bol'shoye	Great, Large	M.N.		Mae Nam	River
Gb.	G, Ga, G ^a	Guba	Gulf, Bay, Inlet	TURKISH			
G.		Gora	Mountain, Hill	Ad.		Ada, Adası	Island
Gav.	G	Gavan'	Harbour, Basin	Asp.		Takimadalar	Archipelago
Kam.		Kamen'	Rock	Adc.	Ad	Adacık	Islet
M.		Mys	Cape, Headland	Boğ.		Boğaz, Boğazi	Strait
	Mal	Malyy, Malaya, Maloye	Little	Br.	Bn, Bu	Burun, Burnu	Point, Cape
O.	O ^{va}	Ostrov, Ostrova	Island(s)	Ç.	Ça	Çay, Çayı	Stream, River
Oz.		Ozero	Lake				
P-ov.	Pol ^{ov} , P ^{ov} , Pol	Poluostrov	Peninsula				
Pr.	Prv, Pr ^v	Proliv	Channel, Strait				
R.		Reka	River				
Zal.		Zaliv	Gulf, Bay				

Abbreviations of Principal Non-English Terms **V**

CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING	CURRENT FORM	OBSOLESCENT FORM(S)	TERM	ENGLISH MEANING
TURKISH (continued)				Languages of the former YUGOSLAVIA			
D.	Da	Dağ, Dağı	Mountain	Br.		Brdo, Brda	Mountain(s)
Dz.	De	Dere, Deresi	Valley, Stream	Gr.		Greben, Grebeni	Rock, Reef, Cliff, Ridge
G.		Deniz	Sea	Hr.		Hrid, Hridi	Rock
Isk.		Göl, Gölü	Lake	L.		Luka	Harbour, Port
Kf. Krf.		İskele, İskelesi	Jetty	M.		Mali, Mala, Malo, Malen	Small
Ky.	Kyl.	Körfez, Körfezi	Gulf	O.		Otočić, Otočići	Islet(s)
Lim. Lm.	Li	Kaya, Kayası	Rock	O.		Otok, Otoci	Island(s)
N.		Liman, Limanı	Harbour	Pl.		Pličina	Shoal
		Nehir, Nehri, İrmak, İrmağı	River	Pr.		Prólaz	Passage
T.	Te, T ^e	Tepe, Tepesi	Hill, Peak	S.	Sv	Sveti, Sveta, Sveto	Saint, Holy
Yad.		Yarımada, Yarımadası	Peninsula	Šk.		Školj, Školjič	Island, Reef
				U.		Uvala, Uvalica	Inlet
				V.		Veli, Vela, Velo, Velik, Veliki, Velika, Veliko	Great
				Z.	Zal	Zaliv, Zaljev, Zaton	Gulf, Bay

V Abbreviations of Principal English Terms

CURRENT FORM	OBSOLESCENT FORM(S)	TERM	REFERENCES	CURRENT FORM	OBSOLESCENT FORM(S)	TERM	REFERENCES
abt	ab ^t	About	O a	Dir	Dir ⁿ	Direction	—
Aero		Aeronautical	P 60, 61	Dir	Dir Lt	Directional light	P 30-31
Al	Al	Algae	J 1	Discol	Discol ^d	Discoloured water	K e
ALC	Alt	Alternating light	P 10, 11	discont	discont ^d , discont ^d	Discontinued	O b
ALL		Articulated Loading Column	L 12	dist	Dist	Distant	O 85
ALRS		Admiralty List of Lights and Fog Signals	—	Dk	D ^k	Dock	G c
Am		Admiralty List of Radio Signals	—	dm	dm, D ⁿ	Decimetre(s)	B 42
Anch	Anch ^e	Amber	P 11, 8	Dn, Dns	D ⁿ	Dolphin(s)	F 20
Anch.	Anct, Anc ^t	Anchorage	O 21	dr	dr, Dr	Dries	K b
ANM		Ancient	O 84	DW		Deep-water, Deep-draught	M 27, N 12, 4
		Annual Summary of Admiralty Notices to Mariners	—	dwt		Deadweight tonnage	—
Annly	Ann ^{ly}	Annually	—	DZ		Danger Zone	Q 50
Appr.	Apprs, Appr ^s	Approaches	O 22	E	E	East	B 10
approx	Approx	Approximate	O 89	ED	(ED), (E, D)	Existence doubtful	I 1
Apr		April	—	EEZ		Exclusive Economic Zone	N 47
Arch	Archo, Arch ^o	Archipelago	G 5	Ent.	E, F, Horn	Electric fog horn	R 13
ASD		Admiralty Sailing Directions	—	Equin ^t	Equin ^t	Entrance	O 16
ASL		Archipelagic Sea Lane	M 17	ESSA		Equinoctial	—
ATBA		Astronomical	—			Environmentally Sensitive Sea Area	N 22
ATT	Astr, Astrl, Astr ^t	Area to be Avoided	M 14, 29	Est.	Est ^y	Estuary	O 17
Aug		Admiralty Tide Tables	—	Estab ^t	Estab ^t	Establishment	—
Aus		August	—	ev	ev	Every	—
Ave	Av ^e	Australia	—	exper	exper ^t , Exper ^t	Experimental	O 92
		Avenue	G 111	explos	explos ^e	Explosive	R 10
				(exting)	(exting ^d)	Extinguished	P 55
B.		Bay	O 4	f		Fine	J 30
B	bl, blk	Black	J af, Q 2	F		Fixed light	P 10, 1
	Ba	Basalt	J 1	FAD		Fish Aggregating Device	—
	Batt, Baty, Bat ^y	Battery	E 34, 3	F Racon		Fixed frequency radar transponder beacon	S 3, 4
Bk.	B ^k	Bank	O 23	Feb		February	—
bk	brk	Broken	J 33	FFL		Fixed and flashing light	P 10, 10
Bldg	B ^{ldg}	Building	D 5	Fj	Fd, F ^d	Fjord	O 5
	BM, B.M.	Bench Mark	B 23	Fl	(fish ^g)	Fishing light	P 50
Bn, Bns		Beacon(s)	M 1-2, P 4-5, Q 80-81	Fl	fl	Flashing light	P 10, 4
			P 3, Q 110	Fla	Fl., fl	Flood	—
BnTr	Bn Tower	Beacon Tower	J e		Fm, F ^m	Flare stack (at sea)	L 11
	Bo	Boulders	F a, G 181	fm, fms	f ^m , f ^{ms}	Farm	G 53
Boi	Boll.	Bollard	K 17	Fog Det Lt		Fathom, fathoms	B 48
Br	br	Breakers	J ak		Fog Sig	Fog detector light	P 62
Bu	Bl, Bl., b	Brown	J ag, P 11, 4, Q a	FPSO		Fog signal station	R 1
		Blue	—		Fog W/T	Radio fog signal	—
			—			Floating Production and Storage Offtake Vessel	L 17
C.		Cape	G 7	FS	Fr, for	Foraminifera	J v
c		Coarse	J 32	F.S.	F.S.	Flagstaff, Flagpole	E 27
ca		Calcareous	J 36	F.SO		Floating Storage and Offtake Vessel	L 17
CALM	cal	Catenary Anchor Leg Mooring	L 16	ft	Ft, Ft ^t	Fort	E 34, 2
Cas	Cas.	Castle	E 34, 2, G 64		f ^t	Foot, feet	B 47, P 13
	Cath, Cath.	Cathedral	E 10, 1, G 75	G	g	Gravel	J 6
Cb		Cobbles	J 8	G	gn	Green	J ah, P 11, 3, Q 2
cd		Candela	B 54	G.	ga, glac	Gulf	O 3
CD		Chart Datum	H 1		Gc	Glacial	J ac
CG	Cemy, Cem ^y	Cemetery	E 19	Gp.	Gd, grd	Glaucouite	J p
	C.G.	Coastguard station	T 10-11		Gl, gl	Ground	J a
Ch	Ch	Church, chapel	E 10, 1, E 11		Govt Ho, Gov ^t Ho	Globigerina	J v
	ch, choc	Chocolate	J al	Gp.	GpFl, Gp Fl	Government House	—
Chan.		Channel	O 14		GpOcc, Gp Occ	Group (of islands)	—
Chem		Chemical	L 40	GPS		Group-flashing light	P 10, 4
	chk, Ck	Chalk	J f	grt	Gt, Grt, G ^t , Gr ^t	Group-occluding light	P 10, 2
Chy	Ch ^y	Chimney	E 22		G.T.S.	Global Positioning System	—
	cin, Cn	Cinders	J n		Gy, gy	Gross Register Tonnage	—
cm	cm	Centimetre(s)	B 43			Great	—
Co	cri	Coral	J 10, K 16			Great Trigonometrical Survey Station (India)	—
	Col	Column, pillar, obelisk	E 24, G 66			Grey	J am, Q a
	conspic	Conspicuous	E 2			Gross Tonnage	—
const	consta, constr ⁿ	Construction	F 32				—
cov	cov.	Covers	K c				—
Cr		Creek	O 7				—
Cup	Cup	Cupola	E 10, 4				—
Cy	cl	Clay	J 3				—
	(D)	Doubtful	—				—
	d	Dark	J ao				—
Dec		December	—	H	H, H.	Hard	J 39
decr ^d	decr ^d	Decreasing	B 64	H	h., H.	Headway	D 20, D 26-27
dest	dest ^d , Dest ^d	Destroyed	O 93	HAT		Helicopter transfer (Pilots)	T 1, 4
Det		(see Fog Det Lt)	—	Hd.	H ^d	Hour	B 49
DG, DG Range	D. G. Range	Degaussing Range	N 25, Q 54	Hn.	H ⁿ	Highest Astronomical Tide	H 3
DGPS		Differential Global Positioning System	S 51	Ho		Headland	G 8
			—	(hor)	(hor ^t)	Haven	G 139
			—	Hosp	Hosp ^t , Hosp ^t	House	G 61
			—	Hr	H ^r	Horizontally disposed	P 15
			—	Hr Mr	Hr, H ^r	Hospital	F 62, 2
			—		Ht, H ^t	Harbour	G 138
			—			Harbour Master	F 60
			—			Height	—

Abbreviations of Principal English Terms

V

CURRENT FORM	OBSOLESCENT FORM(S)	TERM	REFERENCES	MHW	M.H.W.N.	Mean High Water	H 5
HW	H.W.	High Water	H a	MHWN	M.H.W.N.	Mean High Water Neaps	H 11
	H.W.F. & C.	High Water Full and Change	—	MHWS	M.H.W.S.	Mean High Water Springs	H 9
	H.W.O.S.	High Water Ordinary Springs	—	min	Mid, Mid.	Middle	—
					min., m.	Minute(s) of time	B 50
				Mk		Mark	Q 101
					MI, ml	Marl	J c
I	It	Island, islet	G 1-2	CURRENT FORM	OBSOLESCENT FORM(S)	TERM	REFERENCES
IALA		International Association of Lighthouse Authorities	Q 130	LHW	M.L.H.W.	Mean Lower High Water	H 15
IHO		International Hydrographic Organization	—	MLLW	M.L.L.W.	Mean Lower Low Water	H 12
(illum)	illum., (lit)	Illuminated	P 63	MLW		Mean Low Water	H 4
IMO		International Maritime Organization	—	MLWN	M.L.W.N.	Mean Low Water Neaps	H 10
				MLWS	M.L.W.S.	Mean Low Water Springs	H 8
incrg	in., ins.	Inch, inches	—	mm	mm.	Millimetre(s)	B 44
INT	incr ⁹	Increasing	B 65	Mo		Morse code	P 10.9, R 20
Intens	(intens)	Intensified	A 3, T 21	Mon	Mont, Mon ¹	Monument	E 24
IQ	IntQkFl, Int.Qk.Fl.	Interrupted quick-flashing light	P 46		Mony, Mony ¹	Monastery	G 76
			P 10.6	MSL	Ms, mus	Mussels	J r
	(irreg.)	Irregular	—	Mt.	M.S.L.	Mean Sea Level	H 6
	ISLW, I.S.L.W.	Indian Spring Low Water	—	Mth.	M ¹	Mountain, mount	G 23
iso		Isophase light	P 10.3	MTL	M ¹	Mouth	O 19
	It	Islet	G 2		M.T.L.	Mean Tide Level	H c
ITZ		Inshore Traffic Zone	—	N	N.	North	B 9
IUQ		Interrupted ultra quick-flashing light	P 10.8		Nauto	Nautophone	R 13
IVQ	IntVQkFl, Int.V.Qk.Fl.	Interrupted very quick-flashing light	P 10.7	NB	N.B.	Notice Board	Q 126
				NE	N.E.	North-east	B 13
Jan		January	—	NM	N.M.	Notice(s) to Mariners	—
Jul		July	—	n mile		International Nautical Mile	B 45
				No	N ^o	Number	N 12.2
km	km.	Kilometre(s)	B 40, F 40	Nov		November	—
kn	kn.	Knot(s)	B 52, H 40-41	Np	Np.	Neap Tides	H 17
				nrt		Nett register tonnage	—
L		Lake, Loch, Lough	O 6	NT		Net Tonnage	—
Lag	Lagn, Lag ¹	Large	J ab	NW	N.W	North-west	B 15
LANBY		Lagoon	G 13, O 8	NZ		New Zealand	—
		Large Automatic Navigational Buoy	P 6		Obs Spot,	Observation Spot	B 21
LASH		Lighter Aboard Ship	G 184		Obsn Spot,		
LAT		Lowest Astronomical Tide	H 2		Obs ⁿ Spot		
Lat	Lat	Latitude	B 1	Obscd	Obsc ^d	Obscured	P 43
	LB, L.B.	Lifeboat station	T 12	Obstn	Obst ⁿ	Obstruction, Diffuser	K 40-43, L 43
Ldg	L ^{dg}	Leading	P 20.3		Obsy, Obsy ¹	Observatory	G 73
Le	L ^e	Ledge	O 28	Oc	Occ, Occ.	Occulting light	P 10.2
LFI		Long-flashing light	P 10.5	(occas)	(occas ¹)	Occasional	P 50
	Lit, Lit.	Little	—	Oct		October	—
	(lit)	Floodlit	P 63	OD	O.D.	Ordnance Datum	H d
LL	L.L.	List of Lights	—	ODAS		Ocean Data-Acquisition System	Q 58
Lndg.	L ^{dg}	Landing place	F 17		Off, Off.	Office	G 72
LNG		Liquefied Natural Gas	G 185	Or	Or.	Orange	P 11.7, Q 3
LOA		Length overall	—		ord.	Ordinary	—
LoLo		Load-on, Load-off	—		Oy, oys	Oysters	J q
Long	Long.	Longitude	B 2		Oz, oz.	Ooze	J b
LPG		Liquefied Petroleum Gas	G 186	P	peb	Pebbles	J 7
	Lr, L ¹	Lower	P 23	P.		Port	G 137
	L.S.S.	Lifesaving station	—	(P)		Preliminary (NM)	—
Lt	L ¹ , It	Light	J a ⁿ , P 1	PA	(PA), (P.A.)	Position approximate	B 7
Lts		Lights	P 20.1, 61.2	Pag	Pag.	Pagoda	E 14
LtHo	L ¹ Ho	Lighthouse	P 1	Pass.		Passage	O 13
LtV	L ¹ V	Light-vessel	P 6	PD	(PD), (P.D.)	Position doubtful	B 8
	Lv, Iv	Lava	J j	Pen.	Penla, Pen ^{la}	Peninsula	G 4
LW	L.W.	Low Water	H b	Pk	p ^k	Peak	G 25
	L.W.F. & C.	Low Water Full and Change	—		Pm, pum	Pumice	J k
	L.W.O.S.	Low Water Ordinary Springs	—	PO	P.O.	Post Office	F 63
					Po, pol	Polyzoa	J z
				pos	posn, pos ⁿ	Position	—
				(priv)	priv., (Priv.)	Private	P 50, P 65, Q 70
M	m	Mud	J 2	Prod Well		Production Well	L 20
M	M.	Sea Mile(s)	B 45, P 14	prohib	Prohib ^d	Prohibited	O c
m		Medium	J 31	proj	projd, Proj ^d	Projected	O 80
m	m.	Metre(s)	B 41, P 13	prom	promt, Prom ^t	Prominent	O d
	mad, Md	Madrepore	J h	Prom.	Promy, Promy ¹	Promontory	G 20
Mag	Mag.	Magnetic	B 61		(prov), (prov ¹)	Provisional	—
	Magz, Magz ²	Magazine	—	PSSA		Particularly Sensitive Sea Area	—
	man, Mn	Manganese	J o		Pt.	Point	G 9
Mar		March	—		Pt, pt	Pteropods	J y
MHHW	M.H.H.W.	Mean Higher High Water	H 13			Pylon	D 26
MHLW	M.H.L.W.	Mean Higher Low Water	H 14	Q	QkFl, Qk.Fl.	Quick-flashing light	P 10.6
					Q ^r	Quarter	—
					Qz, qrtz	Quartz	J g
				R	rd	Red	J a ^j , P 11.2, Q 3
				R.		River	—

V Abbreviations of Principal English Terms

				CURRENT FORM	OBSOLESCENT FORM(S)	TERM	REFERENCES
R	r	Rock	J 9; K 15				
R	R ^o	Coast Radio Station providing QTG service	S 15				
Ra		Radar Range, Radar Reference Line, Coast Radar Station	M 31-32, S 1	TSS TV Tr	T.V. T ^r	Traffic Separation Scheme Television Tower	— E 28-29
	Ra (conspic), OBSOLESCENT FORM(S)	Radar conspicuous object	S 5		(U)	Unwatched, unmanned (light)	P 53
	Ra (conspic)			ULCC uncov unexam	uncov, unexam ^d , unexam ^d	Ultra Large Crude Carrier Uncovers Unexamined	— K d I a
Racon	Ra, Refl., rad, Rd	Radar Reflector Radar Transponder Beacon	Q 10-11, S 4 S 3	Unintens	Up ^r	Unintensified Upper	P a P 22
Ramark		Radiolaria	J x	UQ		Ultra quick-flashing light	P 10.8
RC		Radar Beacon	S 2	UTC		Co-ordinated Universal Time	—
		Non-directional Radio-beacon	S 10	UTM		Universal Transverse Mercator	—
RD	Dir, Ro, Bn	Directional Radiobeacon	S 11	v	vol Va, V ^a	Volcanic	J 37
Rds	Rd ^s	Roads, Roadstead	Q 20	Var	Var ⁿ	Villa	—
Ref		Refuge	Q 124, T 14	Vel	var	Variation	B 60
Refl	Refl., Rem ^{ble}	Retroreflecting material	Q 6	Vel (vert)	Vel. (vert ^l)	Velocity Vertically disposed	— P 15
Rep	Rep ^d , Rep ^d	Remarkable	—	Vi	vis	Violet	P 11.5
Rf	R ^f	Reef	I 3 O 26	VLCC		Visible	—
RG	R ^o D.F.	Radio Direction-Finding Station	S 14	Vol, VQ	VQKFI, V.Qk.FI	Very Large Crude Carrier Volcano	G 187 G 26
Rk	R ^k	Rock	G 11	VTS		Very quick-flashing light	P 10.7
(R Lts)	(Red Lts)	Air Obstruction Lights (low intensity)	P 61.2	W	W.	Vessel Traffic Service	—
	Rly, Ry, RY, R ^o B ⁿ	Railway	D 13	W	w	West	B 12
RoRo	Ro-Ro	Radiobeacon in general	S 10	Water Tr	Water T ^r	White	J ae, P 11.1, Q a
		Roll-on Roll-off ferry terminal	F 50	Wd	wd	Water tower	E 21
	R.S.	Rocket station	—	WGS		Weed	J 13.1
Ru, (ru)	Ru.	Ruins	D 8, E 25.2, F 33	Whf	Wh ^f	World Geodetic System	S 50
			S 12	Whis	Whis.	Wharf	F 13, G d
RW		Rotating Pattern Radiobeacon	—	Wk	W ^k W/T	Whistle Wreck	R 15 K 20-30
				Y	y	Radio (Wireless/Telegraphy)	—
S	St, S ^t	Saint	G 54	YC	Y.C. y ^d , y ^{ds}	Yacht Club	J ai, P 11, IQ 3
S	s	Sand	J 1			Yard(s)	—
S	S.	South	B 11				
s	sec, sec.	Second(s) of time	B 51, P.12				
SALM		Single Anchor Leg Mooring	L 12				
SBM		Single Buoy Mooring	L 16				
SC	S.C.	Sailing Club	U 4				
	Sc, sc	Scoræ	J m				
Sc	Sc.	Scanner	E 30.3				
Sch	Sch.	School	G b				
SD	S.D.	Sailing Directions	—				
SD		Sounding of doubtful depth	I 2				
Sd	S ^d	Sound	O 12				
SE	S.E.	South-east	B 14				
	Sem, Sem.	Semaphore	—				
Sep		September	—				
sf	stf	Stiff	J 36				
Sh	sh	Shells	J 11				
Sh.		Shoal	O 25				
Si		Silt	J 4				
Sig	Sig.	Signal	R 1, T 25.2				
	sk, spk	Speckled	J ad				
	sm	Smal	J aa				
SMt	SM ^t	Seamount	O 33				
	Sn, shin	Shingle	J d				
so	sft	Soft	J 35				
Sp	Sp.	Spire	E 10.3				
	Sp, sp	Sponge	J s				
Sp	Sp, Spr	Spring Tides	H 16				
SPM		Single Point Mooring	L 12				
SS	Sig Sta, Sig Str	Signal Station	T 20-36				
St	st	Stones	J 5				
St	St.	Street	G 110				
Sta	Sta., Stn, St ⁿ	Station	D 13				
	Strn.Sig.Strn.	Storm Signal Station	T 28				
Str.		Strait	O 11				
subm	submd, Subm ^d	Submerged	O 90				
SW	S.W.	South-west	B 16				
SWOPS		Single Well Oil Production System	L c				
sy	stk	Sticky	J 34				
	T, t	Tufa	J 1				
(T)		Temporary (NM)	—				
t	t	Ton, tonne	B 53, F 53				
		Elevation of top of trees	C 14				
Tel	Tel.	Telephone, Telegraph	G 95				
(temp)	(tempy), (temp ^y)	Temporary	N b, P 54				
Tr	T ^r	Tower	E 10.2, E 20				

International Abbreviations **W**

A				G			
Aero	Aeronautical light	P 60, 61.1		G	Gravel	J 6	
† Aero RC	Aeronautical radiobeacon	S 16		G	Green	P 11.3, Q 2	
AIS	Automatic Identification System	S 17		GPS	Global Positioning System		
Al	Alternating	P 10.11		grt	Gross Register Tonnage		
ALC	Articulated Loading Column	L 12		GT	Gross Tonnage		
Am	Amber	P 11.8					
ASL	Archipelagic Sea Lane	M 17					
B				H			
B	Black	Q 2, 81		h	Hard	J 39	
bk	Broken	J 33		h	Hour	B 49	
Bn	Beacon	P 4, 5, Q 80		H	Helicopter	T 1.4	
BnTr	Beacon tower	P 3, Q 110		hor	Horizontally disposed	P 15	
Bo	Boulder(s)	J 9.2					
Br	Breakers	K 17					
Bu	Blue	P 11.4		I			
C				INT	International	A 2, T 21	
c	Coarse	J 32		Intens	Intensified	P 46	
ca	Calcareous	J 38		IQ	Interrupted quick	P 10.6	
CALM	Catenary Anchor Leg Mooring	L 16		Iso	Isophase	P 10.3	
Cb	Cobbles	J 8		IUQ	Interrupted ultra quick	P 10.8	
cd	Candela	B 54		IVQ	Interrupted very quick	P 10.7	
CG	Coastguard	T 10, 11					
Ch	Church	E 10.1		K			
Chy	Chimney	E 22		km	Kilometre(s)	B 40	
cm	Centimetre(s)	B 43		kn	Knot(s)	B 52	
Co	Coral	J 10, K 16		L			
† Consol	Consol Beacon	S 13		LANBY	Large Automatic Navigational Buoy	P 6, Q 26	
Cy	Clay	J 3		LASH	Lighter Aboard Ship	G 184	
D				Lat	Latitude	B 1	
DGPS	Differential Global Positioning System	S 51		Ldg	Leading	P 20.3	
Dia	Diaphone	R 11		LFI	Long-flashing	P 10.5	
Dir	Direction light	P 30, 31		Lndg	Landing for boats	F 17	
dm	Decimetre(s)	B 42		LNG	Liquefied Natural Gas	G 185	
Dn, Dns	Dolphin(s)	F 20		Long	Longitude	B 2	
DW	Deep Water route	M 27, N 12.4		LPG	Liquefied Petroleum Gas	G 186	
dwt	Dead Weight Tonnage			Lt	Light	P 1	
DZ	Danger Zone	Q 50		M			
E				m	Medium	J 31	
E	East	B 10		m	Mètre(s)	B 41	
ED	Existence Doubtful	I 1		m	Minute(s) of time	B 50	
Explos	Explosive	R 10		M	Mud	J 2	
exting	Extinguished	P 55		M	International Nautical mile(s) (1852 m) or sea mile(s)	B 45	
F				min	Minute(s) of time	B 50	
f	Fine	J 30		Mk	Mark	Q 101	
F	Fixed	P 10.1		mm	Millimetre(s)	B 44	
FFI	Fixed and Flashing	P 10.10		Mo	Morse Code	P 10.9, R 20	
Fl	Flashing	P 10.4		Mon	Monument	E 24	
Fla	Flare stack	L 11		MR	Marine Reserve	N 22.3	
Fog Det Lt	Fog detector light	P 62		N			
FS	Flagstaff, flagpole	E 27		N	North	B 9	
ft	Foot/feet	B 47		NE	North-east	B 13	
				No	Number	N 12.2	
				NT	Net Tonnage		
				NW	North-west	B 15	

W International Abbreviations

O			T		
Obscd	Obscured	P 43	t	Ton(s), Tonne(s) or tonnage	B 53, F 53
Obstr	Obstruction	K 40-43, L 43	temp	Temporary	P 54
Oc	Occulting	P 10, 2	Tr	Tower	E 10.2, 20
occas	Occasional	P 50	U		
ODAS	Ocean Data Acquisition System	Q 58	ULCC	Ultra Large Crude Carrier	G 188
Or	Orange	P 11.7, Q 3	UQ	Ultra Quick	P 10.8
P			UTC	Universal Time Co-ordinated	
P	Pebbles	J 7	UTM	Universal Transverse Mercator	
PA	Position approximate	B 7	V		
PD	Position doubtful	B 8	v	Volcanic	J 37
priv	Private	P 65, Q 70	vert	Vertically disposed	P 15
Prod Well	Submerged production well	L 20	Vi	Violet	P 11.5
PSSA	Particularly Sensitive Sea Area	N 22.4	VLCC	Very Large Crude Carrier	G 187
Pyl	Pylon	D 26	VQ	Very Quick	P 10.7
Q			VTS	Vessel Traffic Service	
Q	Quick	P 10.6	W		
R			W	West	B 12
R	Coast radio stations QTG service	S 15	W	White	P 11.1, Q 130.5
R	Red	P 11.2, Q 3	Wd	Weed	J 13.1
R	Rock	J 9, K 15	Well	Wellhead	L 21
Ra	Radar	M 31, 32, S 1	WGS	World Geodetic System	S 50
Racon	Radar transponder beacon	S 3.1-3.6	Whis	Whistle	R 15
† RC	Circular marine radiobeacon	S 10	Wk; Wks	Wreck(s)	K 20-30
† RD	Directional radiobeacon	S 11	Y		
Ref	Refuge	Q 124, T 14	Y	Amber	P 11.8
Rep	Reported, but not confirmed	I 3.1	Y	Orange	P 11.7
RG	Radio direction-finding station	S 14	Y	Yellow	P 11.6, Q 3
RoRo	Roll-on, Roll-off Ferry (RoRo Terminal)	F 50			
Ru	Ruin	D 8, E 25.2, F 33			
† RW	Rotating-pattern radiobeacon	S 12			
S					
S	Sand	J 1			
s	Second(s) of time	B 51, P 12			
S	South	B 11			
SALM	Single Anchor Leg Mooring	L 12			
SBM	Single Buoy Mooring	L 16			
SD	Sounding doubtful	I 2			
SE	South-east	B 14			
sec	Second(s) of time	B 51			
sf	Stiff	J 36			
Sh	Shells (skeletal remains)	J 11			
Si	Silt	J 4			
Sig	Signal	T 25.2			
SMt	Seamount	O 33			
so	Soft	J 35			
Sp	(Church) spire	E 10.3			
SPM	Single Point Mooring	L 12			
SS	Signal station	T 20-36			
St	Stones	J 5			
SW	South-west	B 16			
sy	Sticky	J 34			

See also Section V for Abbreviations of principal English and non-English terms, and Section W for International Abbreviations.

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2-3, H 20</p> <p>Atoll G 6</p> <p>Automatic fog signal R 20-22</p> <p>Automatic Identification System transmitter S 17 1-17.2</p> <p>Avenue G 111</p> <p>Awash rock K 12</p> <p>Bank O 23, U 14</p> <p>Barge buoy O 53</p> <p>Barrage, flood F 43</p> <p>Barrel buoy Q 25</p> <p>Barrier, floating G 178</p> <p>Barrier, tidal G 130</p> <p>Basalt J h</p> <p>Bascule bridge D 23.4</p> <p>Baseline, Territorial Sea N 42</p> <p>Basin F 27-28, IG 134, O 48</p> <p>Battery E 34.3</p> <p>Bay O 4</p> <p>Beacon Q 1-11, Q 80-126</p> <p> buoyant, resilient P 5</p> <p> Consol S 13</p> <p> lighted P 4</p> <p> radar S 2-3</p> <p> radio S 10-16</p> <p> tower P 3, Q 110</p> <p>Boaring B 62, Pb</p> <p>Bell R 14</p> <p>Benchmark B 23</p> <p>Berth</p> <p> anchor N 11</p> <p> designation F 19</p> <p> visitors' U 2</p> <p> yacht U 1.2</p> <p>Bird sanctuary N 22</p> <p>Black J af, Q 2</p> <p>Blockhouse E 34.2</p> <p>Blue J ag, P 11.4, Q a</p> <p>Board, painted Q 102.2</p> <p>Boarding place, pilot T 1</p> <p>Boat</p> 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42</p> <p>Calcareous J 38</p> <p>Calling-in point M 40</p> <p>Calvary E 12</p> <p>Camping site U 30</p> <p>Canal F 40, G 132</p> <p>Canal distance mark F 40</p> <p>Can buoy Q 21</p> <p>Candela B 54</p> <p>Canyon O 55</p> <p>Cape G 7</p> <p>Caravan site U 29</p> <p>Cardinal marks Q 130.3</p> <p>Cargo transhipment area N 64</p> <p>Car park U 27</p> <p>Castle E 34.2, G 64</p> <p>Casuarina C 31.6</p> <p>Cathedral G 75</p> <p>Causeway F 3</p> <p>Cautionary notes A 16</p> <p>Cay G 3</p> <p>Cement works G 82</p> <p>Cemetery E 19</p> <p>Centimetre B 43</p> <p>Chalk J e</p> <p>Chandler U 12</p> <p>Channel Q 14</p> <p> dredged I 21-23</p> <p> half-tide I b</p> <p> maintained I 23</p> <p>Chapel E 11</p> <p>Characters, Light P 10</p> <p>Chart</p> <p> Datum H 1, H 20</p> <p> limit, larger scale A 18</p> <p> number A 1-2</p> <p> scale A 13</p> <p> title A 10</p> <p> Chemical dumping ground N 24</p> <p> Chemical pipeline L 40.1</p> <p> Chemist U 16</p> <p> Chequered colours Q c</p> <p> Chimney E 22</p> <p> Chocolate J al</p> <p> Church E 10</p> <p> Cinders J m</p> <p> City G 50</p> <p> Clay J 3</p> <p> Clearance</p> <p> horizontal D 21</p> <p> safe vertical D 26</p> <p> vertical D 20, D 22-28</p> <p> Cleared platform, site L 22</p> <p> Clearing line M 2</p> <p> Clearing line beacons Q 121</p> <p> Cliffs C 3</p> <p> Closed O 87</p> <p> Coal harbour G 154</p> <p> Coarse J 32</p> <p> Coastguard station T 10-11</p> <p> Coastline C 1-8</p>	<p>Coast radar station S 1</p> <p>Coast radio station, QTG service S 15</p> <p>Cobbles J 8</p> <p>Coldstore G 86</p> <p>Colour of beacon, buoy Q 2-5, Q 6a, Q 6c</p> <p>Colour of lights P 11</p> <p>Coloured mark Q 101</p> <p>Column E 24, G 66</p> <p>Commercial port G 147</p> <p>Compass rose B 70</p> <p>Composite light P 10</p> <p>Conical buoy Q 20</p> <p>Conifer C 31.3</p> <p>Coniferous woodland G 39</p> <p>Consol beacon S 13</p> <p>Conspicuous landmark E 2</p> <p>Conspicuous, on radar S 5</p> <p>Construction works F 32</p> <p>Container crane F 53.2</p> <p>Container harbour G 152</p> <p>Contiguous Zone N 44</p> <p>Continental</p> <p> borderland O 47</p> <p> rise O 46</p> <p> shelf N 46, O 42</p> <p> slope O 45</p> <p>Continuous flashing light P 10</p> <p>Contour</p> <p> depth I 30-31</p> <p> crying I 30</p> <p> line C 10, C 12</p> <p>Control points B 20-a</p> <p>Convent G 76</p> <p>Conversion scales, tables A b</p> <p>Conveyor G 182</p> <p>Cooling water intake/outfall G 177</p> <p>Copyright</p> <p> Acknowledgement A 5</p> <p> Notice A c</p> <p>Coral J 10, J 22, K 16</p> <p>Corner coordinates A 9</p> <p>Cove O 9</p> <p>Covers K b</p> <p>Crane F 53</p> <p>Creek O 7</p> <p>Cross E 12</p> <p>Crossing gates, traffic separation M 22</p> <p>Crossing, traffic separation M 23</p> <p>Cultural features D</p> <p>Cupola, church E 10.4</p> <p>Current H 42-43</p> <p> meter H f</p> <p> meter buoy Q 59</p> <p>Custom office F 61</p> <p>Customer Information A 6</p> <p>Customs harbour G 14</p> <p>Customs limit N 48</p> <p>Cut G 32</p> <p>Cutting 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± 15 4°30' W 2004 (9' E)

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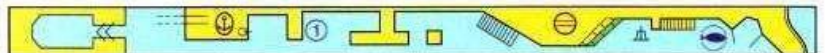
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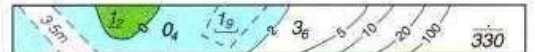
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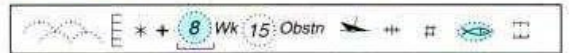
Depths



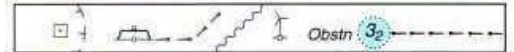
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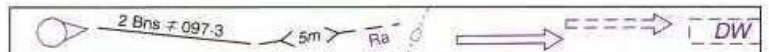
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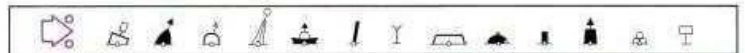
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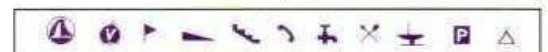
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