

Fisheries and Oceans Canada

Pêches et Océans Canada

SYMBOLS ABBREVIATIONS TERMS

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CHART 1

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INTRODUCTION

CHART NO. 1 contains the symbols, abbreviations and terms used on navigation charts published by CHS, and is based upon the *Chart Specifications of the International Hydrographic Organization*.

IHO REFERENCE NUMBER. The IHO has published a *Standard List of Symbols, Abbreviations and Terms* (*INT 1*) which Canada follows. It assigns a letter to each major category of charted features and a number to each symbol or abbreviation within a category.

LONGITUDES are referred to the Meridian of Greenwich. BEARINGS on charts refer to the true compass and are measured from 000° clockwise to 359°.

CHART DATUM is the plane of reference for soundings and is stated in the title of each chart. Supplementary information may be given in a table, note or graph. Chart datum is the low water plane to which are referenced the depths of water over features permanently covered by the sea and the elevations of those features which are periodically covered and uncovered. Some low waters can be expected to fall below chart datum. This only occurs under certain astronomical conditions, but, where the range of tide is small, meteorological disturbances may cause even average tides to fall below chart datum.

In tidal waters, the CHS uses the level of either Lower Low Water, Large Tide or Lowest Normal Tide as its reference plane for chart datum. In non-tidal waters, a low water level is adopted as datum.

DEPTHS. The units used for soundings (metres, fathoms or feet) are stated in the title of the chart. On metric charts, the legend METRIC/MÉTRIQUE set in large type and printed in magenta is displayed in the border of the chart. Depths are expressed in the following ways on Canadian charts:

- a. Metres and Decimetres up to 21 metres and in Metres only in depths greater than 21 metres.
- b. Metres and Decimetres up to 30 metres and in Metres only in depths greater than 30 metres.
- c. Fathoms and Feet up to 11 fathoms and in Fathoms only in depths greater than 11 fathoms.
- d. Fathoms and fraction of fathoms on a few older charts.
- e. Feet.

On certain charts for use by deep-draught vessels and where the depth information is sufficiently precise, soundings between 21 metres (11 fathoms) and 31 metres (16 fathoms) may be expressed in metres and decimetres (fathoms and feet). The geographical position of a sounding is the centre of the depth figure.

DRYING HEIGHTS. Underlined figures on drying areas or in brackets against features are elevations above chart datum. Where the drying elevation figure cannot be placed in its exact position, it is placed close to it and enclosed in brackets.

ELEVATIONS AND VERTICAL CLEARANCES. On charts of tidal waters, elevations of lights, islands, etc., and vertical clearances under structures such as bridges and power lines, are normally given above Higher High Water, Large Tide. On charts of non-tidal waters, elevations and vertical clearances are normally given above chart datum. The datum for elevations and clearances is always stated in the chart title. When an elevation figure cannot be placed on the feature, it is placed close to it and enclosed in brackets. On metric charts, the vertical clearance is given in metres and decimetres up to 10.0 and in whole metres thereafter and on non-metric charts, is given in feet.

HORIZONTAL DATUM. The name and date of the horizontal datum used for a chart are shown in the title with a statement, as appropriate, about the corrections to be applied to the geographical positions to convert them to the international reference system of the internationally recognized regional datum.

SCALES. The natural scale is the ration between a measurement on the chart and the actual distance on the surface of the earth. It is expressed with a numerator of 1 (e.g. 1:200 000).

INTERNATIONAL NAUTICAL MILE. The international nautical mile is equal to 1852 metres (6076.1 feet). For practical purposes, the sea mile is used for expressing distances. A sea mile is the length of one minute of arc, measured along the meridian, in the latitude of the position.

CHART COLOURS. The colour presentation of symbology on Canadian charts is not always in accord with that shown in this publication. Lettering styles and capitalization vary considerably on charts published by the CHS and may not be exactly as shown in this publication; however no change in meaning is implied by these differences.

LORAN-C. Charts that include a lattice overprinting are identified by the prefixes L(C), L/C or LC shown next to the chart number.

CHART REFERENCE. Where the limits or references to larger-scale charts are shown, they should normally be used as they contain further essential navigational information.

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CHART EDITIONS. The three terms described below are used to indicate the publication status of Canadian charts.

NEW CHART. The first publication of a Canadian chart embracing an area not previously charted to the scale shown, or embracing an area different from any existing Canadian chart.

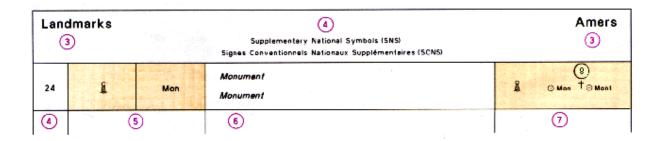
NEW EDITION. A new edition is a new issue of an existing chart containing amendments essential to navigation in addition to those issued in "Notices to Mariners". A new edition makes existing editions obsolete.

REPRINT. A reprint is a new print of the current edition of a chart that incorporates no amendments of navigational significance other than those previously promulgated in "Notices to Mariners". It may also contain amendments from other sources provided they are not essential to navigation. Previous printings of the current edition remain in force.

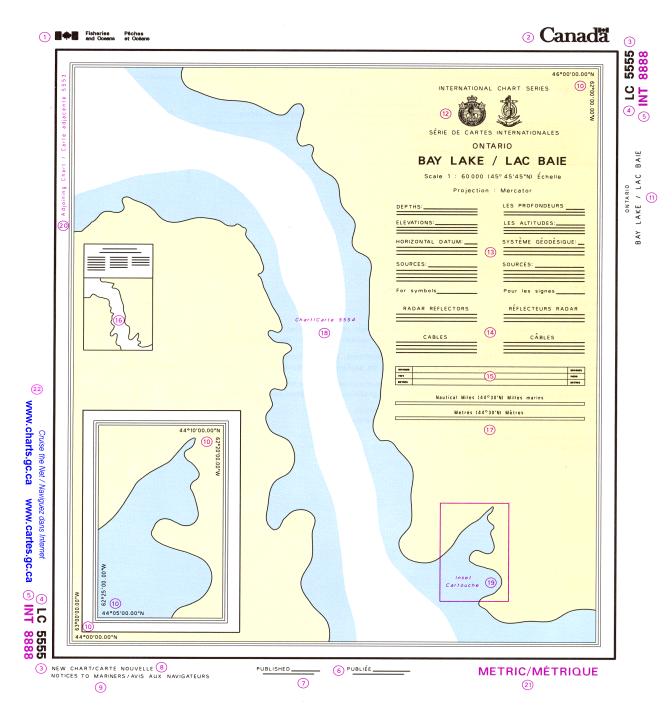
Information concerning Canadian Nautical Charts, Sailing Directions, Tide Tables and other government publications of interest to mariners may be obtained on request to the Director General, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario K1A 0E6.

Canadian "Notices to Mariners" published bi-weekly, contain important navigational information including amendments to Canadian Charts, Sailing Directions, Lists of Lights and Lists of Radio Aids. These "Notices" may be obtained free on request to the Director General, Marine Navigation Services, Canadian Coast Guard, Department of Transport, Ottawa, Ontario K1A 0N7.

Last Updated: 2001-10-19



1	Section
2	Section designation
3	Sub-section
4	Reference number as per the new "Standard List of Symbols, Abbreviations and Terms" of the IHO (INT 1).
5	Current symbology as per the "International Chart Specifications" of the IHO.
6	Description of symbol or abbreviation in English.
7	Symbology appearing on CHS charts.
8	† denotes obsolete symbology which may be found on current editions.



A CHART NUMBER, TITLE, MARGINAL NOTES

Map Ref. No.	Description		
1	Federal Signature		
2	Canada Wordmark		
3	Chart number in national chart series		
4	Identification of a latticed chart (if any)		
5	Chart number in international chart series		
6	Publication note		
7	Copyright note		
8	Edition note		
9	Small correction note		
10	Corner co-ordinates		
11	Sub-title		
12	Crests: in the example, the national (CHS) crest is on the left and the international (IHO) crest on the right. Reproductions of charts of other nations have the crests of the producer nation (left), publisher (centre) and IHO (right).		
13	Title block of chart: includes Crest, Regional identification, Main title, Scale, Projection, Depths, Elevations, Horizontal datum, Sources and reference to Chart No. 1.		
14	Other explanatory notes		
15	Conversion Table		
16	Source Classification Diagram		
17	Linear scale on large scale chart		
18	Reference to a larger-scale chart		
19	Reference to an inset		
20	Reference to an adjoining chart		
21	Metric identifier		
22	Web Address		

Last Updated: 2004-01-06

B POSITIONS, DISTANCES, DIRECTIONS, COMPASS

GEOGRAPHICAL POSITIONS					
Ref. # IHO Symbology Description CHS Sym					
B1	Lat	Latitude	Lat		
B2	Long	Longitude	Long		
B3		International meridian (Greenwich)			
B4	o	Degree	0		
B5	,	Minute of arc	,		
B6	"	Second of arc	"		
B7	PA	Position approximate	†PA PA		
B8	PD	Position doubtful	†PD PD		
B9	N	North N			
B10	E	East E			
B11	S	South	S		
B12	W	West	W		
B13	NE	North East NE			
B14	SE	South East SE			
B15	NW	North West NW			
B16	SW	South West SW			

Last Updated: 1997-06-13

	CONTROL POINTS					
Ref. #	IHO Symbology	Description	CHS Symbology			
B20		Triangulation point	Δ			
B21		Observation spot	+ ⊕			
B22	O	Fixed point	⊙ • •			
B23	$\overline{\mathbf{T}}$	Benchmark	† ^{★ BM}			
B24		International boundary monument	♦			

	SYMBOL	IZED POSITIONS (EXAMPLES)	
Ref. # IHO Symbology		blogy Description	CHS Symbology	
B30	🖬 # 🖲wk	Position is centre of symbol	# :/83: Wk	
B31	v L i C	Position is in base of symbol		
B32	⊙ Mast ⊙ MAST ★ Mât Ô MÂT ★	Point symbols (accurate position)	⊙Tr FR	
B33	o Mast/Mât <i>PA</i>	Approximate position		

			UNITS		
Ref. #	IHO Symbo	logy	Description	CHS Symbolog	у
B40	km		Kilometre(s)	km	
B41	m		Metre(s)	m	
B42	dm		Decimetre(s)	dm	
B43	cm		Centimetre(s)	cm	
B44	mm		Millimetre(s)	mm	
B45	М		Nautical mile(s)	М	
B46			Cable		
B47	ft		Foot/Feet	ft	
B48			Fathom(s)	fm †	
B49	h		Hour	h	
B50	Min	m	Minute(s) of time	min	
B51	Sec	s	Second(s) of time	S	sec†
B52	kn		Knot(s)	kn	kns†
B53	t		Ton(s)		
B54	cd		Candela (new candle)		

Last Updated: 2003-12-11

В
POSITIONS, DISTANCES, DIRECTIONS, COMPASS

	MAGNETIC COMPASS				
Ref. #	IHO Symbology	Description	CHS Symbology		
B60		Variation	Varn †		
B61		Magnetic	Magn †		
B62		Bearing			
B63		True			
B64		Decreasing			
			008°W (8'E)		
B65		Increasing	008°W (8'W)		
B66		Annual change	(3'E)		
B67		Deviation			
B68.1	Magnetic Variation Déclinaison magnétique 4°31'W 1985 (8'E)	Note of magnetic variation, in position			
B68.2	Magnetic Variation Déclinaison magnétique (55°N 8'W) 4°31'W 1985 (8'E)	Note of magnetic variation, out of position			

B POSITIONS, DISTANCES, DIRECTIONS, COMPASS

	MAGNETIC COMPASS				
ef. #	Description				
70	Compass rose, normal pattern (various sizes available)				
	Magnetic variation (example): 004 1/2°W 1985 (8'E) on the magnetic north arrow means the Magnetic Variation was 4 1/2° in 1985 with an annual change of 8'E (decreasing 8' annually)				
	350 0 10				
	340 350 10 10 20 330 10 10 10 10 10 10 10 10 10 10 10 10 10				
	30 Astronomical 30				
	004%°W 1985 (8'E)				
	270 270 270 06				
	1. 021 1. 021 1. 021 1. 021				
	801111111110 210 Transformer 150				
	20 210 180 180 180 180 180 180 190 180 170 160 160				
	190 180 170				

B POSITIONS, DISTANCES, DIRECTIONS, COMPASS

	MAGNETIC COMPASS			
Ref. #	Description			
B71	Isogonic lines Magnetic Variation Curves are for 1990 The magnetic variation is shown in degrees, followed by the letter W or E, at certain positions on the curves. The annual change is expressed in minutes with the letter W or E and is given in brackets.			
	025°W (4'E)			

Last Updated: 1997-06-13

	MAGNETIC COMPASS					
Ref. #	IHO Symbology	Description	CHS Symbology			
B82.1	{±15°}	Local magnetic anomaly: Within the enclosed area the magnetic variation may deviate from the normal by the value shown				
B82.2	Local Magnetic Anomaly Anomalie magnétique locale (See/Voir NOTE)	Where the area cannot be easily defined, a legend only is shown at the position	See LOCAL MAGNETIC ANOMALY Voir ANOMALIE MAGNÉTIQUE LOCALE			

Last Updated: 2000-09-08

SUPPLEMENTARY NATIONAL SYMBOLS					
Ref. #	IHO Symbology	Description	CHS Symbology		
Ba		Approximate, About	†Approx +		
Bb		Astronomic station	+Astro		
			Ť		
Вс		Inch(es)	in/po		
			Ť		
Bd		Yard(s)	yd		
			ŧ		
Be		Statute mile(s)	Sm		
			Ť		
Bf		Kilocycle(s)	kc		
Bg		Kilohertz	kHz		
Bh		Megahertz	Mhz		
Bi		Microsecond(s)	⊥us ⊥usec		
Bj	(0')	Annual change nil	(0')		
Bk		Position of feature is at end of leader line			

Last Updated: 2003-12-15

Ref. #	Description
Ref. #	True rose
	A 350 000 000 000 000 000 000 000

C NATURAL FEATURES

	COASTLINE			
Ref. #	IHO Symbology	Description	CHS Symbology	
C1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Coastline, surveyed		
C2		Coastline, inadequately surveyed		
C3	SUP ROLL	Steep coast, Cliffy coast		
C4	June June	Coastal hillocks		
C5		Flat coast		
C6		Sandy shore		
C7	Stones Galets	Stony or shingly shore	+ +	
C8	Dunes Dunes	Sandhills, Dunes	Dunes	

	RELIEF			
Ref. #	IHO Symbology	Description	CHS Symbology	
C10	64 1931 (1800 1800	Contour lines with spot elevation	•173 + •90 -75 -50 -25 	
C11	-359 -189 115 mm -49	Spot elevations	•365	
C12	(100) (10) (1	Approximate contour lines with approximate spot elevation	2251	
C13	390	Form lines with spot elevation	+	
C14	a k k a k a k a k 160 k a k k a k a k a k a	Elevation of top of trees	110 107	

	WATER FEATURES			
Ref. #	IHO Symbology	Description	CHS Symbology	
C20	WAMELNON	River, Stream, Creek	\sum	
C21		Intermittent stream		
C22		Rapids, Waterfalls		
C23	Jo Con	Lake, Pond	\bigcirc	
C24	Salt pans Salines	Salt pans		
C25		Glacier		
C26		Lava flow		

	VEGETATION			
Ref. #	IHO Symbology	Description	CHS Symbology	
C30	A G A A A A A A A A A A A A A A A A A Bois A A A A	Woods, in general	Wooded Boisée	
C31		Prominent isolated tree	O Tree/Arbre	
C31.1	çõõ õ	-deciduous	Ŷ	
C31.2	6 ⁰ 0 0	-evergreen		
C31.3	1 <u>1</u> 1 <u>1</u>	-coniferous	\$	
C31.4	T T T	-palm		
C31.5	*** *	-Nipa palm		
C31.6	x x x	-casuarina		
C31.7	¥ _¥ ¥ ¥	-filao		
C31.8	ÎŢĪ Ī	-eucalyptus		
C32		Mangrove		
C33	Marsh Marais	Marsh, Swamp	<u>₩</u> ₩ ₩ ₩ +	

Last Updated: 2001-05-08

	SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology	
Ca		Depression contour	+	
Сь		Relief by hachures		
Cc		Landslide		
Cd		Pingo (peak)	茶	
Ce		Lagoon	S	

	SETTLEMENTS, BUILDINGS			
Ref. #	IHO Symbology	Description	CHS Symbology	
D1		Urban area	+	
D2		Settlement with scattered buildings	+	
D3	o Name Nom Name Nom	Settlement	Name/Nom + O Name/Nom	
D4	Name Name HOTEL Nom HÔTEL	Inland village	Name / Nom	
D5		Buildings	• +	
D6	Hotel Hotel Hotel	Important buildings	Hosp	
D7	Name Nom	Street name, Road name		
D8		Ruins	∏ Ru	

	ROADS, RAILWAYS, AIRFIELDS				
Ref. #	IHO Symbology	Description	CHS Symbology		
D10		Motorway			
D11		Road	+		
D12		Track, Path			

	ROADS, RAILWAYS, AIRFIELDS			
Ref. #	IHO Symbology	Description	CHS Symbology	
D13		Railway, Railroad (with station)	+ -+ - • · •	
D14		Cutting		
D15	*********************	Embankment, Levee		
D16		Tunnel	$\begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \\ + \Longrightarrow \\ + \Longrightarrow \\ + \longmapsto \end{array}$	
D17	Airfield Aérodrome	Airport, Airfield	► ±†	

Last Updated: 2003-12-15

	OTHER CULTURAL FEATURES				
Ref. #	IHO Symbology	Description	CHS Symbology		
D20	30 96	Vertical clearance	+ (28 ft) CI 28 ft 30 95		
D21		Horizontal clearance	F40-		
D22		Fixed bridge	+++		
D23.1		Opening bridge (in general)	++++		
D23.2	t Swing Tournant	Swing bridge	t Swing Tournant		
D23.3	Lifting Bridge Pont levant	Lift bridge	Lift		

	OTH	IER CULTURAL FEATURES	
Ref. #	IHO Symbology	Description	CHS Symbology
D23.4	Bascule Bridge	Bascule bridge	+ Bascule Basculant
D23.5	Pontoon Bridge Pont flottant	Pontoon bridge	
D23.6	Draw Bridge Pont levant	Draw bridge	+ Bascule Basculant
D24	Transporter Bridge Pont transbordeur	Transporter bridge	
D25		Overhead transporter, Telepheric	
D26	- 5 - 0 - 5 - 0 - 5 5205	Power transmission line	Power/Haute tension + □ 0 0 Tr + □ 0 0 Tr + □ 0 0 Tr + □ 0 0 Tr
D27		Telephone or telegraph line	
D28	Overhead Pipe Canalisation aérienne	Overhead pipe	Overhead Pipe Canalisation aérienne
D29		Pipeline on land	

Last Updated: 2003-12-16

	SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology	
Da		Highway marker		
Db		Footbridge		
Dc		Conveyor	Conv	
Dd		Bridge with piers	Swing	

		GENERAL		
Ref. #	# IHO Symbology Description		CHS Symbology	
E1	Factory Definition Hotel Usine Definition Hotel	Examples of landmarks		
E2	FACTORY O HOTEL USINE O HÔTEL USINE WATER TOWER/CHÂTEAU D'EAU	Examples of conspicuous landmarks		
E3.1		Pictorial symbols (true position)		
E3.2		Sketches, Views (out of position)		
E4	Д (30)	Height of structure above the plane of reference for elevations	A (30)	
E5	Å (30)	Height of structure above ground level		

	RELIGIOUS					
Ref. #	IHO Sy	mbology	Description	CHS Symbology		
E10.1	* 🕀	Ch	Church	+ ● ♣		
E10.2	₽Tr		Church with tower	† ╋ Sp † ╋ Tr ₩ Sp		
E10.3	Ч Sp	۲ [°]	Church with spire	† ⊕ Sp → ∰ Sp		
E10.4	·부 Cup	Cup	Church with cupola	†∉Cup †∉Dm ∳Cup		
E11			Chapel	+∗ ≁		

E
LANDMARKS

		RELIGIOUS	
Ref. #	IHO Symbology	Description	CHS Symbology
E12		Cross, Calvary	\$
E13		Temple	×
E14		Pagoda	×
E15		Shinto shrine	×
E16	א ≈	Buddhist temple	×
E17	¥	Mosque, Minaret	8
E18	Marabout	Marabout	
E19		Cemetery, in general	Cemetery Cimetière

		TOWERS	
Ref. #	IHO Symbology	Description	CHS Symbology
E20	т (Д	Tower	₫ ⊙т
E21	Ţ	Water tower	Д ⊙ ₩Т

TOWERS					
Ref. #	IHO Symbolo	gy	Description	CHS Symbology	
E22	£	Chy	Chimney, Stack	f Ocny	
E23	Â		Flame tower, Flare stack	∫ ⊙Fla Tr⊙Flame † Flamme	
E24	â	Mon	Monument	† & ⊙Mon ⊙Mont	
E25.1	*		Windmill	* & †	
E25.2	⊁ Ru		Windmill (wingless)	⊁ Ru	
E26	Ť.		Windmotor	⊙ Windmotor ☆ Éolienne ↓	
E27	£ er	FS	Flagstaff, Flagpole	-₽ ⊙FS	
E28	۲,		Radio tower, Radio mast		
E29	ťľ		Television tower, Television mast		
E30.1	® Radar Mast ® Pyl Radar		Radar mast	⁽ ∏) Ra ⊙ Ra Tr	
E30.2	© Radar Tr © Tr Radar		Radar tower	⁶ Д Ra ⊙ Ra Tr	
E30.3	© Radar Sc Ø Ant Radar		Radar scanner		
E30.4	© Radome		Radar dome	⊙ Ra Dm	
E31	2		Dish aerial	2	

E
LANDMARKS

		STRUCTURES	
Ref. #	IHO Symbology	Description	CHS Symbology
E32	• 🌐 Tanks	Tanks	Tanks 💿 • 🕥 †
E33	◯ Silo 💿 Silo	Silo	⊙ Silo
E34.1		Fortified structure (large-scale charts)	
E34.2	Ħ	Castle, Fort, Blockhouse (small-scale charts)	
E34.3	+	Battery, Small fort (small-scale charts)	
		NATURAL LANDMARKS	
E35.1	TUTTIN	Quarry (large-scale charts)	AT TT EX
E35.2	*	Quarry (small-scale charts)	×
E36	×	Mine	*

SUPPLEMENTARY NATIONAL SYMBOLS				
Ref. #	IHO Symbology	Description	CHS Symbology	
Ea		Dome	⊙ Dm	
Eb		Elevator	⊙ Elev	
Ec		Microwave tower	Micro O Micro Tr	
Ed		Radio broadcasting station	Ro Sta	
Ee		Loran tower	(D) Loran ⊙ Loran Tr	
Ef		Park, in general	A	
Eg		National park	Â	
Eh		Provincial park	Â	

HYDRAULIC STRUCTURES IN GENERAL					
Ref. #	IHO Symbology	Description	CHS Symbology		
F1	July and the second sec	Dyke, Levee	OyrelDigue		
F2.1		Seawall (large-scale charts)			
F2.2		Seawall (smaller scale charts)	Dyke/Digue		
F3	Causeway Chaussée	Causeway			
F4.1		Breakwater in general	Bkw Bkw +		
F4.2		Breakwater with loose boulders			
F4.3		Breakwater (slope of concrete or masonry)	Breakwater Brise-lames		
F5	Training wall Digue de calibrage	Training wall			
F6.1	That	Groyne (always dry)			
F6.2		Groyne (intertidal)			
F6.3		Groyne (always submerged)			

F
PORTS

	HARI	BOUR INSTALLATIONS	
Ref. #	IHO Symbology	Description	CHS Symbology
F10		Fishing harbour	
F12	A CONTRACTOR OF	Mole (with berthing facility)	000000000000000000000000000000000000000
F13	\sim	Quay, Wharf	
F14	Pier Quai	Pier, Jetty	
F15	Promenade Pier Promenade	Promenade pier	
F16	Pontoon/Ponton	Pontoon	FIO
F17	i Lndg	Landing and launching	+ Ldg + Lndg
F18	Steps/Escalier	Steps, Landing stairs	
F19	(4) (B)	Designation of berth	(4) (B)
F20	O Dn.	Dolphin	0 0 Dn † 0 Dol
F21	<u>∧</u>	Deviation dolphin	
F22	•	Post, Pile	• • Pile/Pieu

HARBOUR INSTALLATIONS			
Ref. #	IHO Symbology	Description	CHS Symbology
F23	Slip Cale de hajage	Slipway, Patent slip, Marine railway	
F24	Gridiron Gril de carénage	Gridiron, Careening grid	
F25	Dry dock Cale sèche	Dry dock, Graving dock	
F26	Floating dock Dock flottant	Floating dry dock	
F27		Non-tidal basin, Wet dock	
F28		Tidal basin, Tidal harbour	
F29.1	Oil Barrier - · Barrage de mazour	Floating oil barrier	
F29.2	Oil barrier Barrage de mazout	Oil retention (high pressure pipe)	
F30	Dock under construction (1987) Bassin en construction (1987)	Works on land with year date	Constr (1987)
F31	Area under reclamation (1987) Comblement en cours (1987)	Works at sea, Area under reclamation with year date	(1979) t
F32	Under construction (1987) Works in progress (1987) En construction (1987) Travaux en cours (1987)	Works under construction with year date	Constr (1988)

	HARBOUR INSTALLATIONS			
Ref. #	IHO Symbology	Description	CHS Symbology	
F33.1	Ru	Ruins		
F33.2	==1 Pier/Quai (Ru) b	Ruined pier partly submerged at high water	Ru	
F34	Hulk/Ponton	Hulk		

	CANALS, BARRAGES			
Ref. #	IHO Symbology	Description	CHS Symbology	
F40	<u>o km 32</u> o km 46	Canal with distance mark	40	
F41.1		Lock (large-scale charts)		
F41.2		Lock (smaller scale charts)		
F42		Caisson		
F43	Barrage de protection Flood barrage	Flood barrage		
F44	Dam Barrage	Dam		

38

	TRAN	SHIPMENT FACILITIES	
Ref. #	IHO Symbology	Description	CHS Symbology
F50	RoRo	Roll-on, Roll-off ferry (RoRo)	
F51	<u></u>	Warehouse with designation	2
F52	#	Timber yard	#
F53.1	(3 t) ^b	Crane, Travelling crane	
F53.2		Container crane	+
F53.3	⊖ SHEERLEGS/GRUE	Sheerlegs (conspicuous)	

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	PUBLIC BUILDINGS			
Ref. #	IHO Symbology	Description	CHS Symbology	
F60	Ð	Harbour-master's office	Ð	
F61	⊜	Custom office	⊜	
F62.1	()	Health office	()	
F62.2	Hospital/Hôpital	Hospital	Hosp	
F63		Post Office	РО †	

F PORTS

	SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology	
Fa		Tie-up wall		
Fb		Crib	•	
Fc		Whistle station and bridge number	W 10	
Fd		Distance mark (kilometres and miles)	190km 118.15m	

G TOPOGRAPHIC TERMS

	COAST		
Ref. #	Description	CHS Abbreviation	
G1	Island(s)	I Is	
G2	Islet(s)	It Its	
G3	Cay		
G4	Peninsula	Pen	
G5	Archipelago	Arch	
G6	Atoll		
G7	Саре	С	
G8	Head, Headland	Hd	
G9	Point	Pt Pte	
G10	Spit		
G11	Rock(s)	Rk Rks	
G12	Salt marsh, Saltings		
G13	Lagoon	Lag	

р.с. #	NATURAL INLAND FEATURES		
Ref. #	Description	CHS Abbreviation	
G20	Promontory	Prom	
G21	Range	Rge	
G22	Ridge		
G23	Mountain, Mount	Mtn, Mts, Mt	
G24	Summit		
G25	Peak	Pk	
G26	Volcano		
G27	Hill		
G28	Boulder	Во	
G29	Table-land		
G30	Plateau		
G31	Valley		
G32	Ravine, Cut		
G33	Gorge		
G34	Vegetation		
G35	Grassland		
G36	Paddyfield		
G37	Bushes		
G38	Deciduous woodland		
G39	Coniferous woodland		

SETTLEMENTS CHS Abbreviation Ref. # Description G50 City, Town Village G51 Fishing Village G52 G53 Farm G54 Saint St St Ste

BUILDINGS		
Ref. #	Description	CHS Abbreviation
G60	Structure	
G61	House	
G62	Hut	
G63	Multi-storey building	
G64	Castle	
G65	Pyramid	
G66	Column	
G67	Mast	
G68	Lattice tower	
G69	Mooring mast	
G70	Floodlight	
G71	Town hall	
G72	Office	
G73	Observatory	
G74	Institute	
G75	Cathedral	
G76	Monastery, Convent	
G77	Watch tower	
G78	Navigation school	
G79	Naval college	
G80	Factory	
G81	Brick kiln	
G82	Cement-works	
G83	Water mill	
G84	Greenhouse	
G85	Warehouse, Storehouse	
G86	Cold store	
G87	Refinery	

BUILDINGS

BUILDINGS		
Ref. #	Description	CHS Abbreviation
G88	Power Station	
G89	Electric-works	
G90	Gas-works	
G91	Water-works	
G92	Sewage-works	
G93	Pump house	
G94	Well	
G95	Telegraph office	
G96	Hotel	
G97	Sailor's home	
G98	Spa hotel	

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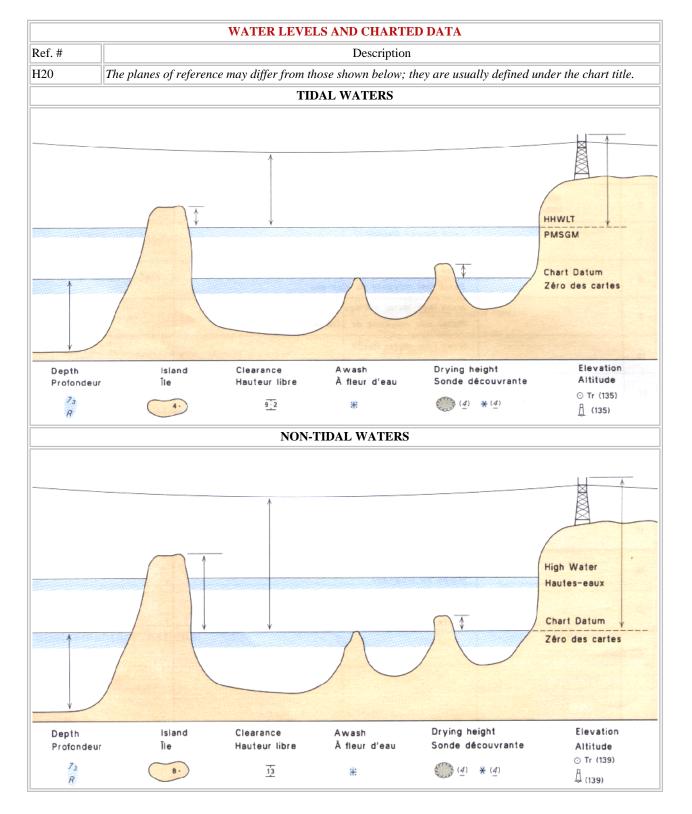
ROAD, RAIL AND AIR TRAFFIC		
Ref. #	Description	CHS Abbreviation
G110	Street, Road	St Rd
G111	Avenue	Ave
G112	Tramway	
G113	Viaduct	
G114	Suspension bridge	
G115	Footbridge	
G116	Runway	
G117	Landing lights	
G118	Helicopter landing site	

PORTS AND HARBOURS		
Ref. #	Description	CHS Abbreviation
G130	Tidal barrier	
G131	Boat lift	
G132	Loading canal	
G133	Sluice	
G134	Basin	
G135	Reservoir	
G136	Reclamation area	
G137	Port	
G138	Harbour	Hr
G139	Haven	Hn
G140	Inner harbour	
G141	Outer harbour	
G142	Deep-water harbour	
G143	Free port	
G144	Customs harbour	
G145	Naval port	
G146	Industrial harbour	
G147	Commercial port	
G148	Building harbour	
G149	Oil harbour	
G150	Ore harbour	
G151	Grain harbour	
G152	Container harbour	
G153	Timber harbour	
G154	Coal harbour	
G155	Ferry harbour	
G156	Police	

HABOUR INSTALLATIONS			
Ref. #	Description CHS Abbrevia		
G170	Terminal		
G171	Building slip		
G172	Building yard		
G173	Buoy yard, Buoy dump		
G174	Bunker station		
G175	Reception facilities for oily wastes		
G176	Tanker cleaning facilities		
G177	Cooling water intake / outfall		
G178	Floating barrier, Boom		
G179	Piling		
G180	Row of piles		
G181	Bollard		
G182	Conveyor		
G183	Storage tanker		
G184	Lighter aboard ship (LASH)		
G185	Liquefied natural gas (LNG)		
G186	Liquefied petroleum gas (LPG)		
G187	Very large crude carrier		

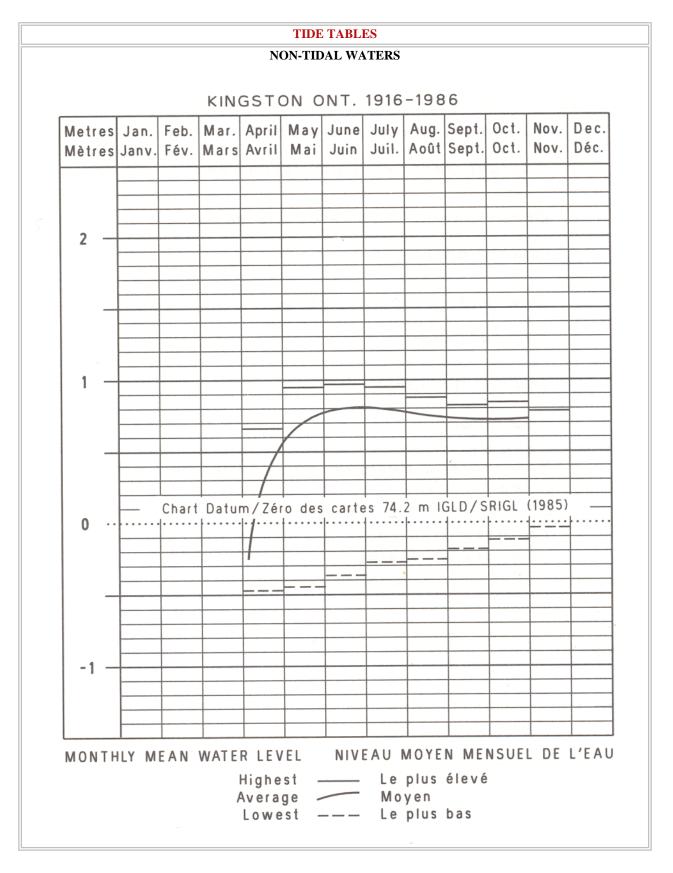
SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	Description	CHS Abbreviation	
Ga	Group	Gp	
Gb	Glacier	Gl	
Gc	District	Dist	
Gd	Junction	Jct	

		TERMS RELATING TO TIDAL LEVELS	
Ref. #	IHO Symbology	Description	CHS Symbology
H1	CD ZH	Chart Datum	CD ZC
H2		Lowest Astronomical Tide	
H3		Highest Astronomical Tide	
H4		Mean Low Water	MLW †
H5		Mean High Water	MHW †
H6	MSL NMM	Mean Sea Level	MSL
H7		Land Survey Datum	
H8		Mean Low Water Springs	
H9		Mean High Water Springs	
H10		Mean Low Water Neaps	
H11		Mean High Water Neaps	
H12		Mean Lower Low Water	
H13		Mean Higher High Water	
H14		Mean Higher Low Water	
H15		Mean Lower High Water	
H16		Spring tide	Spr Sp †
H17		Neap tide	Np †



		111	DE TABLES			
Ref. #	Description					
H30			TIDAL WATE	RS		
				NTC CUD LES	MADÉES	
	TIDA	L INFORMATION				
	LOCATION	Elevation al	oove Chart Datu	m / Altitude au	-dessus du zéro	
	6 m	Large Tide/G	Grande marée	Mean Tide/M	arée moyenne	Mean Water Level
	LOCALITÉ	HHW/PMS	LLW/BMI	HHW/PMS	LLW/BMI	Niveau moyen de l'eau
		metres/mètres	metres/mètres	metres/mètres	metres/mètres	metres/mètres
	Halifax	2.1		1.8		1.0
		2.1 ORMATION /	RENSEIGNEM	MENTS SUR	LES MARÉE	
	TIDAL INF		RENSEIGNEM		LES MARÉE	
	TIDAL INF	ORMATION /	RENSEIGNEM	MENTS SUR	LES MARÉE	S
	TIDAL INF	ORMATION /	RENSEIGNEN TIDAL F	MENTS SUR RANGES / M	LES MARÉE IARNAGES	de
	TIDAL INF	ORMATION /	RENSEIGNEM TIDAL R Large Tide	MENTS SUR RANGES / M	LES MARÉE IARNAGES Mean Ti Marée moy metres/m	de venne
	TIDAL INF	ORMATION /	RENSEIGNEM TIDAL R Large Tide ande marée	MENTS SUR RANGES / M	LES MARÉE IARNAGES Mean Ti Marée moy	de venne





Ref. #				Descri	ption		
131	TI					DES MARÉES N PM (Saint-Jean)	IOYENNES
	Hours		graphical	cal Position géographique		Heures	
	-5 -4 -3 -2 -1 HW +1 +2 +3 +4 +5 +6	Direction of streams (degrees)	Rates (knots)	Direction des courants (degrés)	Vitesse (noeuds)		-5 -4 -3 -2 -1 PM +1 +2 +3 +4 +5 +6

TIDAL STREAMS AND CURRENTS Ref. # CHS Symbology IHO Symbology Description H40 Flood tidal stream with rate 2% kn 2,5 kn H41 Ebb tidal stream with rate 4 kn -H42 Current in restricted waters >) ····· \rightarrow H43 Ocean current with rates and seasons 2,5–4,5 kn Jan / Janv – Mar / Mars $\sim \sim \sim \sim$ (see Note) / (voir Note) H44 Overfalls, Tide rips, Races ***** _____ ------+ H45 Eddies, Whirlpool 6 0 6 0 9 0 6 ଚ 0 6 ଚ H46 Position and designation of tabulated tidal stream data

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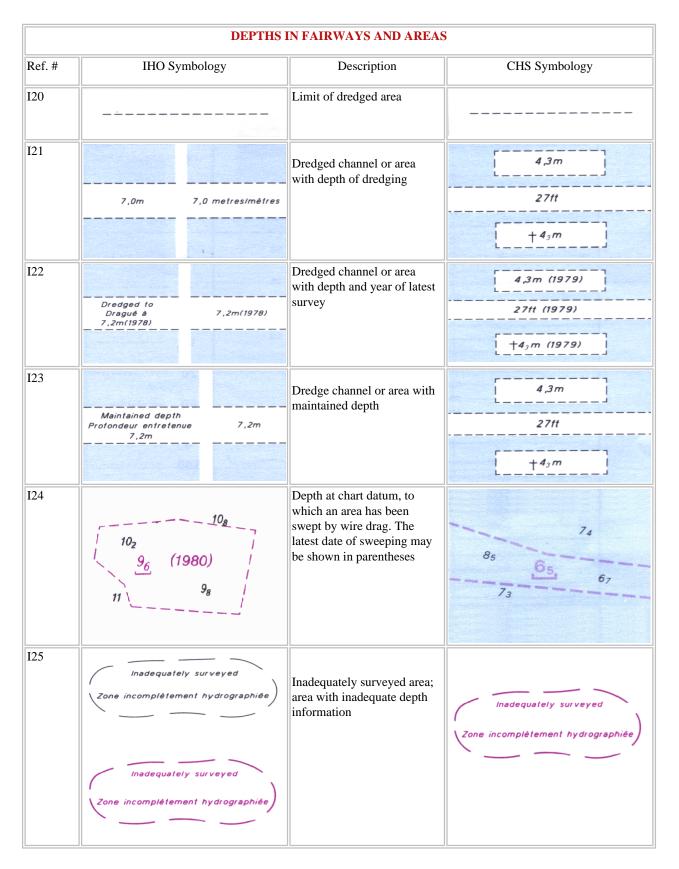
TIDES, CURRENTS

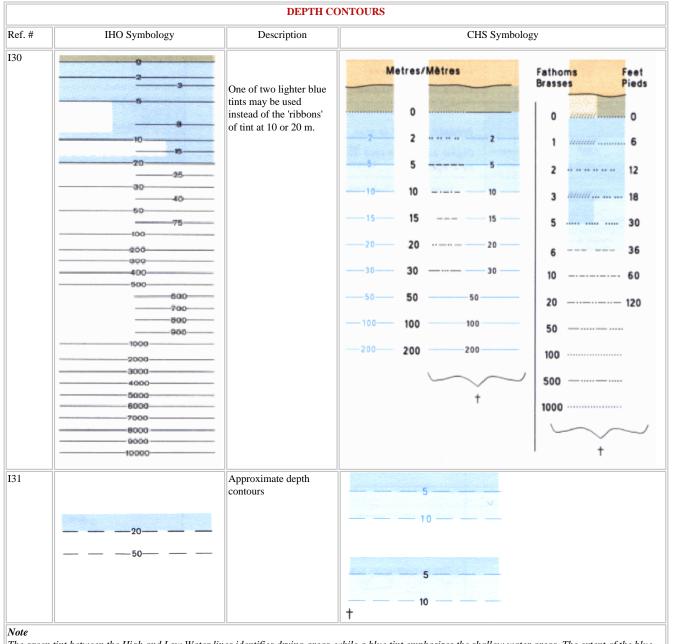
	SUPPLEMENTARY NATIONAL SYMBOLS				
Ref. #	IHO Symbology	Description	CHS Symbology		
На		Mean Water Level	MWL NME		
Hb		International Great Lakes Datum	IGLD RIGL		
Нс		Geodetic Datum	GD RG		
Hd		High Water	HW PM		
Не		Higher High Water	HHW PMS		
Hf		Higher High Water, Large Tide	HHWLT PMSGM		
Hg		Low Water	LW BM		
Hh		Lower Low Water	LLW BMI		
Hi		Lowest Normal Tide	LNT BMPB		
Hj		Lower Low Water, Large Tide	LLWLT BMIGM		
Hk		High Water Full and Change	HWF & C		
HI		Tidal stream diagram	$\begin{array}{c} 0 \\ 1 \\ 2 \\ 3 \\ 11 \\ 10 \\ 9 \\ 8 \end{array}$		

GENERAL				
Ref. #	f. # IHO Symbology		Description	CHS Symbology
I1	E	D	Existence doubtful	ED
I2	S	D	Sounding doubtful	SD
I3.1	Rep		Reported, but not surveyed	Rep †Repd
13.2	Rep(1973)		Reported with year of report, but not surveyed	Rep (1973) Repd (1973)†
I4	184	212	Reported, but not confirmed sounding or danger	

		SOUNDINGS	
Ref. #	IHO Symbology	Description	CHS Symbology
I10	12 9 ₇	Sounding in true position	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
I11	+ (12) 3375	Sounding out of position	<i>.</i>
I12	(97)	Least depth in narrow channel	<u>5ft</u> 1,5m
I13	200	No bottom found at depth shown	<u>3</u> 8/
I14	12 97	Soundings, unreliable or from smaller-scale source	
115	18 - Weisett under Elitaret	Drying heights above chart datum	$\frac{3}{2} = \frac{29}{4} + \frac{1}{4} + \frac{1}{2} + \frac{1}{4} + 1$

| DEPTHS





The green tint between the High and Low Water lines identifies drying areas, while a blue tint emphasizes the shallow water areas. The extent of the blue tint varies with the scale and purpose of the chart or its sources. On some charts, the contours and figures are printed in black.



	SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology	
Ia		Position approximate	PA	
Ib		Drying height (out of position)	(<u>2</u> 9) + (<u>3</u>)	
Ic		Depth over an artificial feature	(3)	

		TYPES OF SEABED	
Ref. #	IHO Symbology	Description	CHS Symbology
J1	S	Sand	S s†
J2	М	Mud	M m†
J3	Су	Clay	Cy Cl cl†
J4	Si	Silt, Ooze	Si Oz oz†
J5	St	Stones	St st†
J6	G	Gravel	G g†
J7	Р	Pebbles	P peb†
J8	Cb	Cobbles	
J9	R	Rock, Rocky, Shingle	+ r Rk Rky R $+$ Sn shin
J10	Со	Coral	Co crl†
J11	Sh	Shells, Oysters, Mussels	+ Oy Oys oys Sh + sh Ms mus
J12.1	SIM	Two layers (sand over mud)	
J12.2	fS.M.SH	Mixed qualities	SM
J13.1	Wd	Weeds	Wd † Wds
J13.2	7777 7777	Kelp	~
J14	m	Sandwaves	\sim
J15	T	Spring in seabed	

	TYPES OF SEABED, INTERTIDAL AREAS					
Ref. #	IHO Symbology	Description	CHS Symbology			
J20	G St	Areas with stones and gravel	St G + + G St G			
J21	untanue un well with * *	Rocky area	t the the the			
J22	AND	Coral reef	Europ			

	QUALIFYING TERMS				
Ref. #	IHO Symbology	Description	CHS Symbology		
J30	f	Fine (only used in relation to sand)	f fne †		
J31	т	Medium (only used in relation to sand)			
J32	С	Coarse (only used in relation to sand)	c crs †		
J33	bk	Broken	bk brk †		
J34	sy	Sticky	sy stk †		
J35	SO	Soft	<i>so</i> †sft		
J36	sf	Stiff	sf stf †		
J37	ν	Volcanic			
J38	са	Calcareous	Ca ca cal †		
J39	h	Hard	h †hrd		

		SUPPLEMENTARY NATIONA	
Ref. #	IHO Symbology	Description	CHS Symbology
Ja		Ground	Gd Grd grd †
Jb		Marl	Mi mi †
Jc		Boulders	Bo B b Blds†
Jd		Chalk	Ck chk †
Je		Quartz	Qz qrtz †
Jf		Schist	Sch †
Jg		Low water line	+ +
Jh		Foreshore: mud	M + M
Ji		Foreshore: sand	s + s
Jj		Foreshore: sand and mud	S M + S M
Jk		Foreshore: weeds	<u> <u> <u> </u> <u> </u></u></u>
JI		Weeds	

	SUPPLEMENTARY NATIONAL SYMBOLS				
Ref. #	IHO Symbology	Description	CHS Symbology		
Jm		Small	sm sml †		
Jn		Large	l lrg †		
Jo		White	w wh †		
Jp		Black	bl blk bk †		
Jq		Blue	b bu †		
Jr		Green	gn †		
Js		Yellow	y yl †		
Jt		Red	r rd †		
Ju		Brown	br †		
Jv		Grey	gy †		
Jw		Dark	d dk †		

	GENERAL			
Ref. #	IHO Symbology	Description	CHS Symbology	
K1	•	Danger line, in general	•	
K2		Swept by wire drag		

		ROCKS	
Ref. #	IHO Symbology	Description	CHS Symbology
K10	(3,1) (1,7)	Rock which does not cover, with elevation	(7) (3)
K11	$ \begin{array}{c} $	Rock which covers and uncovers, with drying height	بن المراجع (ع) (ع) (ع)
			M
K12		Rock awash at chart datum	
	-		- MA
K13) + *	Dangerous underwater rock of 2m (6 ft) or less	+ ~ +

		ROCKS	
Ref. #	IHO Symbology	Description	CHS Symbology
		Dangerous underwater rock of known depth	
K14 K14.1	+(48) 10 + (12,1)00	-in the corresponding depth	17 R 17 R
K14.1 K14.2		area	
	\$ €(4 ₈) } ⁰ / ⁰ €(12 ₁)	-outside the corresponding depth area	
K15	$\begin{array}{c c} & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & &$	Non-dangerous rock of known depth	21 R
K16		Submerged coral reef	+ +
	$\begin{pmatrix} +c_0 + + + + c_0 + \\ + + + + + + + \end{pmatrix}$		$\begin{pmatrix} 2 & 5\\ c_0 & + & c_0 \end{pmatrix}$
K17	59 Br 18	Breakers	Br taxa

		WRECKS	
Ref. #	IHO Symbology	Description	CHS Symbology
K20	/wk	Wreck, hull always dry, on large-scale charts	∕w∗
K21	et wk	Wreck, covers and uncovers, on large-scale charts	() WK
K22	Sz. Wk	Submerged wreck, depth known, on large-scale charts	152 WK
K23	Wk	Submerged wreck, depth unknown, on large-scale charts	() WK
K24	*	Wreck showing any portion of hull or superstructure	₩-
K25	🏶 Mast/Mât	Wreck, masts visible	: ###: Masts / Mâts
K26	€ ₩k 25 Wk	Wreck, depth known	46: Wk 25: Wk
K27	Wk 25 WK	Wreck, least depth known, swept by wire drag	46: WK 25: WK

K ROCKS, WRECKS, OBSTRUCTIONS

WRECKS			
Ref. #	IHO Symbology	Description	CHS Symbology
K28	- *	Dangerous wreck, depth unknown	۲
K29	+++	Non-dangerous wreck, depth unknown	+++
K30	25 Wk	Wreck, least depth unknown, but considered to have a safe clearance to depth shown	
K31	↓ Foul ↓ Malsain	Foul ground non dangerous to surface navigation but to be avoided by vessels anchoring or trawling -CAUTION: On some CHS charts, this symbol may represent a foul area dangerous to surface navigation.	#

K ROCKS, WRECKS, OBSTRUCTIONS

		OBSTRUCTIONS	
Ref. #	IHO Symbology	Description	CHS Symbology
K40	Obstn Obstn	Obstruction, depth unknown	† ∷ Obstr ∵ Obstn † ∘ Obstr
K41	G Obstn 6 Obstn	Obstruction, depth known	4) Obstn † 4) Obstr
K42	🚱 Obstn 🔞 Obstn	Obstruction, least depth known, swept by wire drag	🎒 Obstn † 🎒 Obstr
K43.1	◯Obstn ア゙ベア	Snags or stumps, exact position unknown	777
K43.2	3	Snag or stump, exact position known	ĩ
K44.1	سيسين سيسين	Fishing stakes	······· + ·········
K44.2		Fish traps, Fish weirs, Tunny nets	
K45	Fish traps Tunny nets Madragues Thonnaires	Fish traps or tunny nets area	Fish Traps Madragues

OBSTRUCTIONS			
Ref. #	IHO Symbology	Description	CHS Symbology
K46.1	0	Fish haven	0
K46.2	(24) 24	Fish haven with minimum depth	Fish Havens 2,4m Abris à poissons
K47	Shellfish Beds Parc à coquillages (Seel Voir NOTE)	Shellfish beds	Eð
K48.1	(See I Voir NOTE)	Marine farm (on large-scale charts)	EØJ
K48.2	E E E E E E E E E E E E E E E E E E E	Marine farm (on small-scale charts)	EØJ

SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology
Ka		Depth over an artificial feature	(23)
Kb		Awash	\underline{O} (\underline{O})
Кс		Foul area dangerous to surface navigation	

L OFFSHORE INSTALLATIONS

	GENERAL			
Ref. #	IHO Symbology	Description	CHS Symbology	
L1	Ekofisk Oilfield Gisement de pétrole d'Ekofisk	Name of oilfield or gasfield	HIBERNIA	
L2	• Z-44	Platform with designation/name	• Panuke	
L3		Limit of safety zone around offshore installations		
L4		Limit of development area		

	PI	ATFORMS AND MOORINGS	
Ref. #	IHO Symbology	Description	CHS Symbology
L10	ē	Production platform	-
L11	• Fla	Flare stack (at sea)	
L12	SPM	Mooring tower, Articulated loading platform, Single Anchor Leg Mooring	
L13		Observation/research platform (with name)	
L14	Disused Abandonné	Disused platform	
L15	Name O Nom	Artificial island	⊠ +•
L16	- 7 -	Oil or gas installation buoy (Single Point Mooring)	SPM
L17		Moored storage tanker	

	UNDERWATER INSTALLATIONS			
Ref. #	IHO Symbology	Description	CHS Symbology	
L20	💭 Prod. Well	Submerged production well	+	
L21.1	⊂ Well	Wellhead, depth unknown	+ =	
L21.2	(15) Well	Wellhead, depth known	+ (27)	
L21.3	े <u>Well</u> (5,7)	Wellhead with height above the bottom		
L22	#	Site of cleared platform		
L23	● Pipe	Above-water wellheads		

SUBMARINE CABLES			
Ref. #	IHO Symbology	Description	CHS Symbology
L30.1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Submarine cable	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
L30.2	$\begin{array}{c} + + + + + + + + + + + + + + + + + + +$	Submarine cable area	+++ +±±
L31.1	······································	Submarine power cable	+ ~~~~~?~~~~~
L31.2	$\cdots + + + + \cdots + \cdots$		TTT **** TTT +++ ****
L32	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Abandoned submarine cable	~~~ ~~~ ~~~

L OFFSHORE INSTALLATIONS

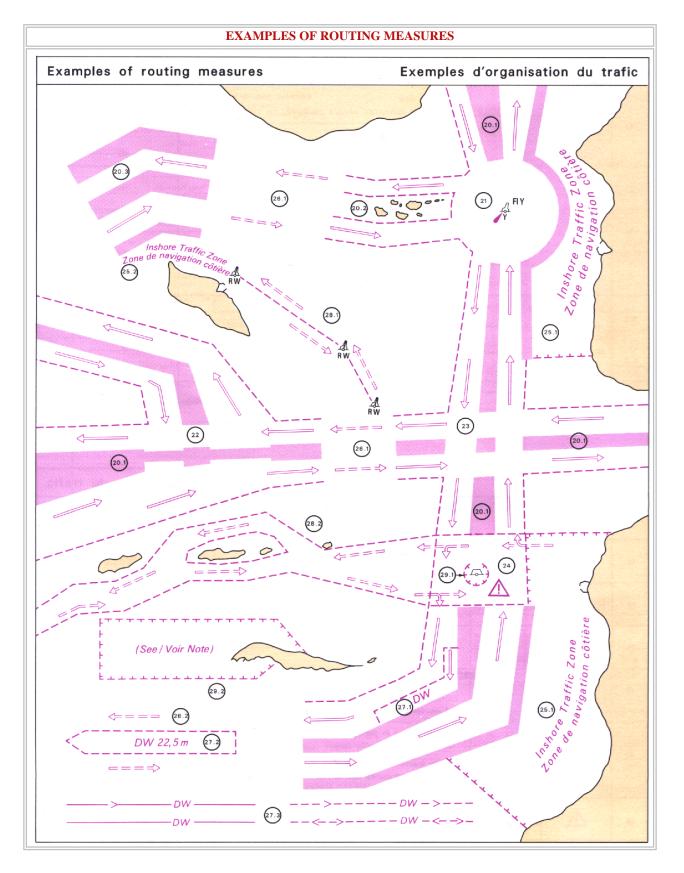
		SUBMARINE PIPELINES	
Ref. #	IHO Symbology	Description	CHS Symbology
L40.1	OillPétrole GaslGaz (seelvoir Note)	Oil or gas pipeline	Oil/Pétrole Gas/Gaz
L40.2	Gas/Gaz OillPétrole Gas/Voir Note)	Oil or gas pipeline area	Oil/Pétrole Gas/Gaz
L41.1	Water/Eau - Outfall Émissaire - Sewer/Égout - Sewer/Égout - Intake - Prise d'eau	Waterpipe, sewer, outfall pipe, intake pipe	Water/Eau
L41.2	Water/Eau Sewer/Égout Water/Eau Sewer/Égout Sewer/Égout Mater/Eau Mater Ma	Pipeline area	+ + + + + + + + + + + + + + + + + + +
L42	Buried/Enterré 1,6m → → → → → → → → → →	Buried pipeline (with nominal depth to which buried)	
L43	→ → → → → → 3 Obstn	Diffuser, crib (depth known)	$\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \Box (\overline{3_2})$
L44		Abandoned pipeline	+ Aband

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SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology
La		Bubbler system (prevents ice from forming)	Bubbler/Bulles
Lb		Potable water intake	PWI
Lc		Chemical pipeline	Chem/Chim → → → → → → → → →

		TRACKS	
Ref. #	IHO Symbology	Description	CHS Symbology
M1	2 Bns ≠ 270,5° 2 Bns ≠ 270°30'	Leading line (solid line indicates usable portion)	Bns
M2	2 Bns ≠ 270°30' 2 Bns ≠ 270,5°	Transit, Clearing line	
M3	2 Bns ≠ 090,5°–270,5°	Track based on fixed marks	037 °217 ° 037 °217 °
M4	<> <u>090,5°-270,5°</u> <>	Track not based on fixed marks	041°
M5.1	*<	One-way track	 >
M5.2	(seelvoir Note) *	Two-way track	t
M6	≺ 7,3 m ≻	Track with maximum authorized draft stated	

	F	OUTING MEASURES	
Ref. #	IHO Symbology	Description	CHS Symbology
M10		Established (mandatory) direction of traffic flow	
M11	$====\Rightarrow$	Recommended direction of traffic flow	======>
M12		Separation line	
M13		Separation zone	
M14		Limit of restricted area	+* * * * * * * * * * * * * *
M15	ſ — — — — — — — — — — — — — — — — — — —	Maritime limit in general (Outer limits of traffic lanes)	
M16	Precautionary Area Zone de prudence	Precautionary area	



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	EXAMPLES OF ROUTING MEASURES		
Ref. #	Description		
20.1	Traffic separation scheme with the traffic lanes separated by a separation zone		
20.2	Traffic separation scheme with the traffic lanes separated by natural obstructions		
20.3	Traffic separation scheme, with outer separation zone, separating traffic using the scheme from traffic not using it		
21	Traffic separation scheme, roundabout		
22	Traffic separation scheme with "crossing gates"		
23	Traffic separation scheme crossing without designated precautionary area		
24	Precautionary area		
25.1	Inshore traffic zone with defined end-limits		
25.2	Inshore traffic zone without defined end-limits		
26.1	Recommended direction of traffic flow between traffic separation schemes		
26.2	Recommended direction of traffic flow for ships not needing a deep water route		
27.1	Deep water route, as part of one-way traffic lane		
27.2	Two-way deep water route, with minimum depth stated		
27.3	Deep water route, centreline as recommended one-way or two-way track		
28.1	Recommended route, often marked by centreline buoys		
28.2	Two-way route with one-way sections		
29.1	Area to be avoided, around navigational aid		
29.2	Area to be avoided, because fo danger of stranding		
	Note: Sections identified in italic numbers are not applicable to the CHS		

	RA	ADAR SURVEILLANCE SYSTEM	
Ref. #	IHO Symbology	Description	CHS Symbology
M30	Radar Surveillance Station © Station de surveillance radar	Radar surveillance station	
M31	Rs Cuxhaven	Radar range	
M32.1	<u>Ra</u>	Radar reference line	
M32.2	Ra 270°-090°	Radar reference line coinciding with a leading line	

	RADIO REPORTING POINTS				
Ref. #	IHO Symbology	Description	CHS Symbology		
M40		Radio reporting calling-in points showing direction of vessel movement (if any)	-(B) (7)-		
			\triangleleft		

	FERRIES			
Ref. #	IHO Symbology	Description	CHS Symbology	
M50		Ferry)	
M51	D	Cable ferry	Cable Ferry Bac à câble	

SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology
Ma		Overhead cable ferry with clearance	Cable Ferry Bac à câble 30

		GENERAL	
Ref. #	IHO Symbology	Description	CHS Symbology
N1.1	r	Maritime limit in general usually implying: permanent obstructions	[
N1.2		Maritime limit in general usually implying: no permanent obstructions	
N2.1	+ ⁺ + + + + + + + + + + + + + + + + + +	Limit of restricted area	+ ⁺ + + + + + + + + + + + + + + + + + +
N2.2	⊢ ⊢ Entry prohibited ⊢ Accès interdit ⊢	Limit of prohibited area (no unauthorized entry)	⊢⊤⊤⊤⊤⊤⊤⊤⊤ ⊢ Entry prohibited ⊢ Accès interdit ⊢

	ANCHORAGES, ANCHORAGE AREAS			
Ref. #	IHO Symbology	Description	CHS Symbology	
N10	÷	Recommended anchorage without defined limits	j. + j.	
N11.1		Anchor berths	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array}\\ \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \end{array} + \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \end{array} + \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \end{array} \end{array} \\ \begin{array}{c} \begin{array}{c} \end{array} \end{array} \end{array} $	
N11.2	$\left(\begin{array}{c} \widehat{\mathbf{Q}} \\ \widehat{\mathbf{Q}} \\ \widehat{\mathbf{Q}} \end{array}\right) \left(\begin{array}{c} \widehat{\mathbf{Q}} \\ \widehat{\mathbf{N}} \\ \widehat{\mathbf{N}} \end{array}\right) \left(\begin{array}{c} \widehat{\mathbf{Q}} \\ \widehat{\mathbf{N}} \\ \widehat{\mathbf{N}} \end{array}\right) \left(\begin{array}{c} \widehat{\mathbf{Q}} \\ \widehat{\mathbf{Q}} \\ \widehat{\mathbf{N}} \end{array}\right) \right)$	Anchor berths, swinging circle may be shown	$\begin{pmatrix} \begin{array}{c} & \\ & \\ \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	
N12.1	$\begin{array}{c} \begin{array}{c} & & - & - & - & - & - & - \\ & & & & $	Anchorage area in general	ţ	



	A	NCHORAGES, ANCHORAGE AREAS	
Ref. #	IHO Symbology	Description	CHS Symbology
N12.2	Г — ф. — — — —	Numbered anchorage area	No 1 0
N12.3	$ \begin{bmatrix} - & \downarrow & - & - & - & - & - & - & - & - &$	Named anchorage area	Сапѕо Д.
N12.4	Г — ф. — — — — - 4 I	Deep water anchorage area, Anchorage area for deep-draft vessels	о <i>w</i> ,
N12.5	r − ᢤ − − − − − − − − − − − − − − − − −	Tanker anchorage area	Tanker of Pétrolier
N12.6	Г — \$. — — — — — 5 I24 h \$. I	Anchorage for periods up to 24 hours	
N12.7	「一	Explosives anchorage area	۲ ۴ ۴ ۲ Explos
N12.8	「−ᢤ−−−−4	Quarantine anchorage area	fĴ Ĵ Ĵ
N12.9	┌──ᢤ─────ᢤ─ Reserved/Réservé (see/voir Note)	Reserved anchorage	See CAUTION Voir ATTENTION
-Note: An	chors as part of the limit symbol are n	ot shown for small areas.	
N13		Sea-plane landing area	
N14	ţ.	Anchorage for sea-planes	Ţ



		RESTRICTED AREAS	
Ref. #	IHO Symbology	Description	CHS Symbology
N20		Anchoring prohibited	
N21		Fishing prohibited	+ + + + + + + + + + + + + + + + + + +
N22		Bird sanctuary	Bird Sanctuary Sanctuaire d'oiseaux
N23.1	+ + + + + + + + + + + + + + + + + + +	Explosives dumping ground	FTTTTTTTT F F F F F F
N23.2	+ TTTTTTTTTTTTT + Explosives Dumping Ground + (disused) + Zone de dépôt d'explosifs + (abandonnée)	Explosives dumping ground (disused)	FTTTTTTTTTT F F F F F F F
N24	+ + + + + + + + + + + + + + + + + + +	Dumping ground for chemical waste	FTTTTTTTTT F F F Chem/Chim F
N25	⊢⊤ ⊤ ⊤ ⊢ ⊢ Degaussing range ⊢ ⊢ Base de démagnétisation ⊢	Degaussing	FT T T ₩ T T T F F Degaussing F Démagnétisation F
N26	XTTTX K A H Historic Wk F H Épave historique Y X L L Y	Historic wreck and restricted area	(Hist) (His



	MILIT	ARY PRACTICE AREAS	
Ref. #	IHO Symbology	Description	CHS Symbology
N30	r —	Firing danger area	
N31	+ + + + + + + + + + + + + + + + + + +	Military area, entry prohibited	FTTTTTTTTT F F Entry prohibited F Accès interdit F
N32	г — — — Я — — — — Я — — — — 	Mine laying practice area	
N33		Submarine transit lane and exercise area	
N34	+ + + + + + + + + + + + + + + + + + +	Minefield	

	INTERNATIONAL	BOUNDARIES AND NATIONA	AL LIMITS
Ref. #	IHO Symbology	Description	CHS Symbology
N40	DENMARK/DANEMARK -+ + + + + + + + + FEDERAL REPUBLIC OF GERMANY RÉPUBLIQUE FÉDÉRALE D'ALLEMAGNE	International boundary on land	++++ CANADA ++++++++++++++++++++++++++++++++++
N41	DENMARKIDANEMARK + + + + + + + + + FEDERAL REPUBLIC OF GERMANY RÉPUBLIQUE FÉDÉRALE D'ALLEMAGNE	International maritime boundary	+ - + - <u>+ + + + + + + + + + + + + + + +</u>
N42		Straight territorial sea baseline	
N43	++	Seaward limit of territorial sea	++
N44		Seaward limit of contiguous zone	
N45		Limit of fishery zone	x>
N46		Limit of the continental shelf	See NOTE
N47	EEZ	Limit of Exclusive Economic Zone	EEZ/ZEE
N48		Customs limit	
N49	Harbour Limit	Harbour limit (with name)	PETERSBURG

		VARIOUS LIMITS	
Ref. #	IHO Symbology	Description	CHS Symbology
N60.1	untur aller	Limit of fast ice, ice front	
N60.2	unturnitie	Limit of sea ice (pack ice)- seasonal	
N61	Log Pond Panne	Log pond, Log boom	
N62.1	Spoil Ground Zone de dépôt	Spoil ground	+ Spoil / Déblais
N62.2	Spoil Ground (disused) Zone de dépôt (abandonnée)	Spoil ground (disused)	Aband
N63	Dredging Area Zone de dragage	Dredging area	
N64	Cargo Transhipment Area Zone de transbordement	Cargo transhipment area	
N65	Incineration Area Zone d'incinération	Incineration area	

		SUPPLEMENTARY NATIONAL SY	YMBOLS
Ref. #	IHO Symbology	Description	CHS Symbology
Na		Vessel dumping ground limit	FTTT ## TTTTT F \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Nb		District or provincial boundary	+ (
Nc		Ice boom	Anchors/Ancres
Nd		Limit of permanent sea ice	
Ne		Marine park	Name/Nom

HYDROGRAPHIC TERMS					
Ref. #	Description	CHS Abbreviation			
O01	Ocean				
002	Sea				
O03	Gulf	G			
004	Bay	В			
O05	Fjord, Fiord	Fd			
O06	Loch, Lough, Lake	L			
O07	Creek	Cr			
O08	Lagoon	Lag			
O09	Cove	С			
O10	Inlett	Int			
011	Strait	Str			
012	Sound	Sd			
013	Passage, Pass	Pass			
014	Channel	Chan Ch†			
015	Narrows	Nrs			
O16	Entrance	Ent			
017	Estuary	Est			
O18	Delta				
019	Mouth				
O20	Road, Roadstead	Rd			
O21	Anchorage	Anch Mouil			
O22	Approach, Approaches	Арр			
O23	Bank, Banks	Bk Bks			
O24	Shoal	Sh Shl†			
O25					
O26	Reef, Reefs	Rf Rfs			
O27	Rock, Rocks	Rk Rks rk† rks†			
O28	Ledge, Ledges	Le Les			
029	Pinnacle				
O30	Ridge				
031	Rise				
032	Mountain, Mountains	Mtn Mtns Mt†			
033	Seamount	SMt SMT†			

	HYDROGRAPHIC TERMS				
Ref. #	Description	CHS Abbreviation			
O34	Seamount chain				
O35	Peak	Pk			
O36	Knoll				
O37	Abyssal hill				
O38	Tablemount				
O39	Plateau				
O40	Terrace				
O41	Spur				
O42	Continental shelf				
O43	Shelf-edge				
O44	Slope				
O45	Continental slope				
O46	Continental rise				
O47	Continental borderland				
O48	Basin				
O49	Abyssal plain				
O50	Hole				
O51	Trench				
O52	Trough				
O53	Valley				
O54	Median valley				
O55	Canyon				
O56	Seachannel				
O57	Moat				
O58	Fan				

HYDROGRAPHIC TERMS

Ref. #	Description	CHS Abbreviation
O59	Apron	
O60	Fracture Zone	
O61	Escarpment	
O62	Sill	
063	Gap	
O64	Saddle	
O65	Levee	
O66	Province	Prov
O67	Tideway, Tidal gully	
O68	Sidearm	

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	OTHER TERMS					
Ref. #	Description	CHS Abbreviation				
O 80	projected					
O81	lighted					
082	buoyed					
O83	marked					
O 84	ancient					
O85	distant					
O86	lesser					
O 87	closed					
O88	partly					
O89	approximate	Approx Abt†				
O 90	submerged	Subm Sub†				
091	shoaled					
O92	experimental					
O93	destroyed					

	SUPPLEMENTARY NATIONAL SYMBOLS				
Ref. #	Description	CHS Abbreviation			
Oa	River	R			
Ob	Brook	Ruis Br Bk†			
Oc	Ground	Grd Gd			

Ref. # IHO Symbology		Description	CHS Symbology
P1	🔖 🔭 Lt Lt Ho	Major light, minor light, light, light, light, lighthouse	Lts
P2		Lighted offshore platform	T
P3	By A Bn Tr	Lighted beacon tower	
P4		Lighted beacon	
P5	₽ R ⊅ Bn	Buoyant beacon, resilient beacon	
P6		Major floating light (light vessel, major light float, LANBY)	چې ۲ ۲ ۲ ۲

			LIGHT CHARACT	TERS
Ref. #	Abbr International	Abbr National	Class of light	Illustration/Period shown
P10.1	F	F	Fixed	
P10.2	Occulting (total d	uration of light	longer than total duration of	darkness)
	Oc	Oc Occ†	Single-occulting	
	Oc(2) Example	Oc(2) Gp Occ(2)†	Group-occulting	
	Oc(2+3) Example		Composite group- occulting	
P10.3	Isophase (duration	n of light and d	arkness equal)	
	Iso	Iso Eint†	Isophase	
P10.4	Flashing (total du	ration of light s	horter than total duration of the	darkness)
	Fl	Fl	Single-flashing	
	Fl(3) Example	Fl(3) GpFl(3)	Group-flashing	
	Fl(2+1) Example	Fl(2+1)	Composite group-flashing	
P10.5	LFI	LFI	Long-flashing (flash 2s or longer)	
P10.6	Quick (repetition	rate of 50 to 79	9 - usually either 50 or 60 - fla	ashes per minute)
	Q	Q Qk Fl†	Continuous quick	
	Q(3) Example	Q(3)	Group quick	
	IQ	IQ Int Qk Fl†	Interrupted quick	

LIGHT CHARACTERS						
Ref. #	Abbr International	Abbr National	Class of light	Illustration/Period shown		
P10.7	Very quick (repeti	tion rate of 80	0 to 159 - usually ei	ther 100 or 120 - flashes per minute)		
	VQ	VQ	Continuous very quick			
	VQ(3) Example Exemple	VQ(3)	Group very quick	<u> </u>		
	IVQ		Interrupted very quick			
P10.8	Ultra quick (repeti	tion rate of 1	60 or more - usually	v either 240 to 300 - flashes per minute)		
	UQ		Continuous ultra quick			
	IUQ		Interrupted ultra quick			
P10.9	Mo(A) Example Exemple	Mo(A)	Morse code			
P10.10	FFI	FFI	Fixed and flashing			
P10.11	Al.WR	Al Alt†	Alternating	R W R W R W		

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			COLOURS OF LIGHTS		
Ref. #	Abbr International	Abbr National	Class of light	Illustration/Period shown	
P11.1	W	W	White (only on sector and alternating lights)	Colour of lights shown	
				-on standard charts	
P11.2	R	R	Red	•	
P11.3	G	G	Green		
P11.4	Bu	Bu Bl†	Blue	-on multicoloured charts	
P11.5	Vi		Violet	─ │ ╹	
P11.6	Y	Y	Yellow	-on multicoloured charts at sector lights	
P11.7	Y Or	Y	Orange		
P11.8	Y Am	Y	Amber		

		PERIOD			
Ref. #	Ref. # IHO Symbology Description CHS Symbology				
P12	90s	Period in seconds	158		

	ELEVATION				
Ref. #	Ref. # IHO Symbology Description CHS Symbology				
P13	12m	Elevation of light given in metres or feet	12m 65ft		

		RANGE	
Ref. #	IHO Symbology	Description	CHS Symbology
P14	15M	Light with single range	15M
	15/10M	Light with two different ranges	15/10M 15M & 10M
	15-7M	Light with three or more ranges	15-7M 15M & 10M & 7M
Λ	Note: Charted ranges are nominal ran	ges given in nautical miles.	

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	DISPOSITION						
Ref. #	Ref. # IHO Symbology Description CHS Symbology						
P15	(hor)	Horizontally disposed	(hor)				
	(vert)	Vertically disposed	(vert)				

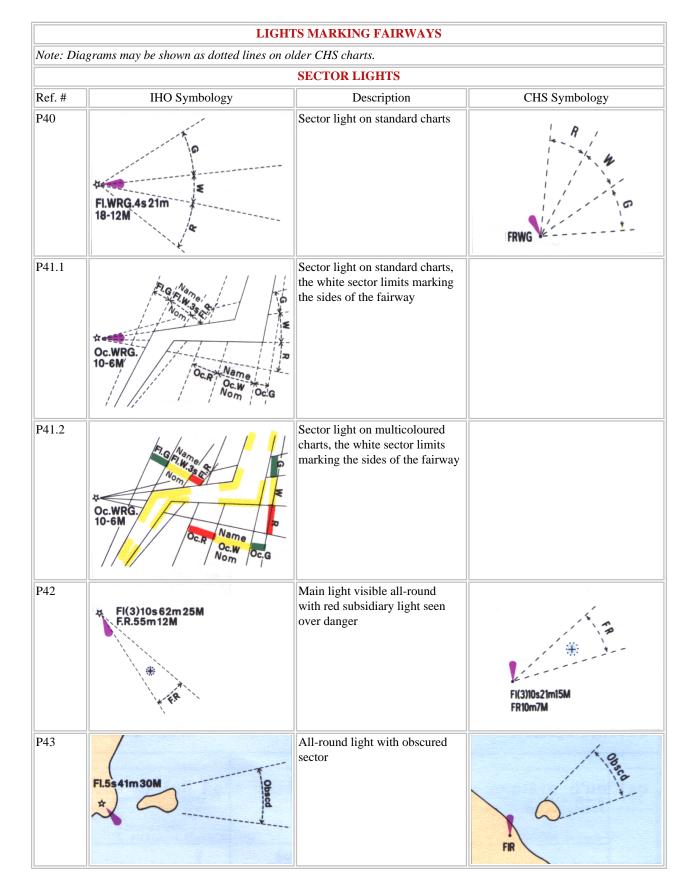
Last Updated: 1997-06-13

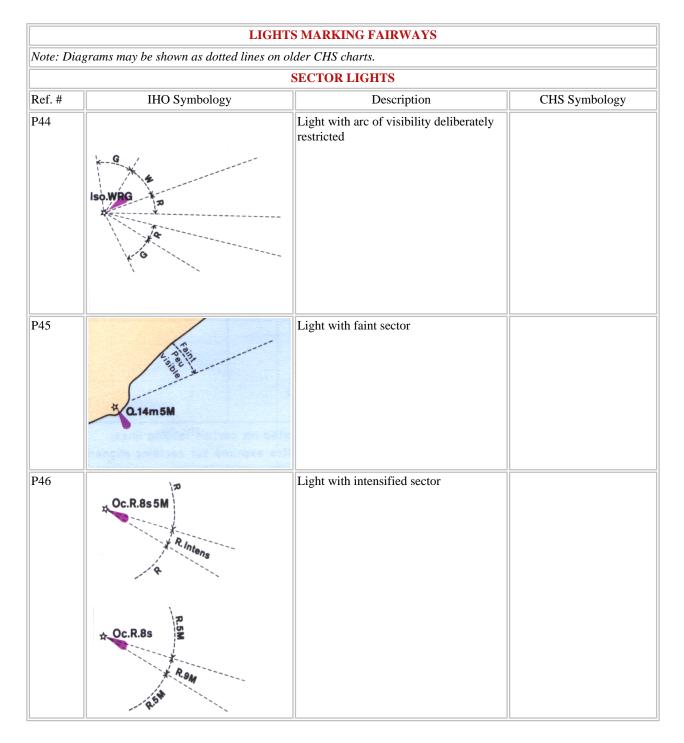
	EXAMPLES	S OF FULL LIGHT DESCRIPTION	
Ref. #	IHO Symbology	Description	CHS Symbology
P16	Name / Nom ☆ FI(3)WRG.15s21m15-11M		FI (3) RWG 15s 21m 15-11M
	Fl(3)	Class of light: group flashing repeating a group of three flashes	Fl(3)
	WRG	Colours: white, red, green, exhibiting the different colours in defined sectors	RWG
	158	Period: the time taken to exhibit one full sequence of 3 flashes and eclipses: 15 seconds	15s
	21m	Elevation of focal plane above datum: 21 metres	21m
	15-11M	Nominal range: white 15M, green 11M, red between 15 and 11M	15-11M

	LIG	HTS MARKING FAIRWAYS	
Note: Diag	grams may be shown as dotted lines on older	CHS charts.	
	LEADIN	G LIGHTS AND LIGHTS IN LINE	
Ref. #	IHO Symbology	Description	CHS Symbology
P20.1	Name Nom Oc.3s 8m12M Name / Nom Oc.6s 24m15M	Leading lights or range lights with leading line (firm line is fairway) and arcs of visibility	FG FG
P20.2	OC.A \$ 12M C.R & Oc # 269°18' * 000 * 000	Leading lights or range lights: any two objects in line	FG FG 2304°
P20.3		Leading lights or range lights on small- scale charts	2LlisFR 230°
P21	FI.G 270° FI.G 270° 2 FI.R 270°	Lights in line marking the sides of a channel	FIG FIG 270° 2LtsFIR 270°
P22	Rear Lt or Upper Lt	Rear or upper light	
P23	Front Lt or Lower Lt	Front or lower light	

	LIGHTS	MARKING FAIRWAYS	
Note: Dia	grams may be shown as dotted lines on olde	r CHS charts.	
	DIF	RECTION LIGHTS	
Ref. #	IHO Symbology	Description	CHS Symbology
P30.1	x Dir 269° Fl(2)5s10m11M	Direction light with narrow sector and course to be followed, flanked by darkness or unintensified light	FR ====================================
P30.2	• Oc.12s 6M • Oi: 2900 • FI(2)5s11M	Direction light with course to be followed, uncharted sector is flanked by darkness or unintensified light	FR
P30.3	AIWG Oc.W.4s Dir WRG. 15-5M	Direction light with narrow fairway sector flanked by sectors of different character	FRWG
P31	▲ <u></u>	Moiré effect light (day and night) Arrows show when course alteration needed	
Note: A s	ingle bearing is always quoted from seaward	l. The reciprocal bearing may b	pe quoted on certain leading lines.







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	LIGHTS WITH LI	IMITED TIMES OF EXHIBITI	ON
Ref. #	IHO Symbology	Description	CHS Symbology
P50	★ F.R. (occas)	Lights exhibited only when specially needed (for fishing vessels, ferries) and some private lights	FR (Occas) + (Occasi)
P51	FI.10s40m27M ☆ (F.37m11M Day/Jour)	Daytime light (charted only where the character shown by day differs from that shown by night)	
P52	Name/Nom * 0.WRG.5m10-3M Fl.5s(in fog/par brume)	Fog light (exhibited only in fog, or the character changes in fog)	
P53	★ FI.5s (U)	Unwatched (unmanned) light with no standby or emergency arrangements	† 🖡 FIR(U)
P54	(temp)	Temporary	
P55	(exting/éteint)	Extinguished	

Ρ	
LIGHTS	

		SPECIAL LIGHTS	
Ref. #	IHO Symbology	Description	CHS Symbology
P60	► Aero Al.Fl.WG.7,5s11M	Aero light	AERO
P61.1	AeroF.R.313m11M RADIO MAST (353) PYLÔNE RADIO (353)	Air obstruction light of high intensity	RLts + AeroFIR
P61.2	⁽⁶¹⁾ (89) ↓ (R Lts)	Air obstruction lights of low intensity	Rlts
P62	FogDetLt	Fog detector light	
P63	(Illuminated/Illuminé)	Floodlit, floodlighting of a structure	(Illum)
P64		Strip light	
P65	F.R. (priv)	Private light other than one exhibited occasionally	FR (Priv)

	SUPPLE	MENTARY NATIONAL SYMB	OLS
Ref. #	IHO Symbology	Description	CHS Symbology
Pa		Group quick plus a long flash	Q(6)+LFl15s
Pb		Group very quick plus a long flash	VQ(6)+LFl10s
Pc		Fixed and group flashing	FFl(3) FGpFl(3)†
Pd		Every	ev†
Pe		Leading lights showing bearing from seaward and the reciprocal bearing	1300 3050
Pf		Stroboscopic light (air obstruction light)	WLts

	BUOYS AND BEACONS				
Ref. #	IHO Symbology	Description	CHS Symbology		
Q1	-0-	Position of buoy or beacon	·		

Ref. #	IHC) Symbo	logy	Description	CHS Symbology
Q2	G B	G	G G	Green and black (symbols filled black)	
Q3		ĥ		Single colours other than green and black	
Q4	BY	GRG	BRB	Multiple colours in horizontal bands, the colour sequence is from top to bottom	BY BRB GRG
Q5	Q RW	RW	, RW	Multiple colours in vertical or diagonal stripes, the darker colour is given first	₽ AWHIS RW RW BW+ BW+
Q6				Retroflecting material	L.

	LIGHTED MARKS					
Ref. #	IHO Symbology	Description	CHS Symbology			
Q7	G FI.G R FI.R	Lighted marks on standard charts				
Q8	FI.G	Lighted marks on multicoloured charts				

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	TOPMAI	RKS AND RADAR REFLECTORS	
Ref. #	IHO Symbology	Description	CHS Symbology
Q9	# # # # # \$ \$ # # # *	IALA System buoy topmarks (Beacon topmarks shown upright)	* * * * :
Q10	₹ ₽ R Name/Nom	Beacon with topmark, colour, radar reflector and designation	
Q11	SA Name/Nom	Buoy with topmark, colour, radar reflector and designation	A PN BY
Note: Most	of the major lighted buoys are equipped v	vith radar reflectors. Individual radar r	eflectors are not charted.

Note: Most of the major lighted buoys are equipped with radar reflectors. Individual radar reflectors are not charted.

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		SHAPES OF BUOYS	
Ref. #	IHO Symbology	Description	CHS Symbology
Q20	Q	Conical buoy, nun buoy	A
Q21	Can or cylindrical buoy		
Q22	Ð	Spherical buoy	Ą
Q23	1	Pillar buoy	Д
Q24	l	Spar buoy, spindle buoy	Q Q
Q25	ጭ	Barrel buoy	-Q-
Q26	- 	Super-buoy	<u>ج</u> +ج +ج

	MINOR LIGHT FLOATS				
Ref. #	IHO Symbology	Description	CHS Symbology		
Q30	FI.G.3s Name/Nom	Light float as part of IALA system			
Q31	도금고 Fl.10s	Light float not part of IALA system	Å		

		MOORING BUOYS	
Ref. #	IHO Symbology	Description	CHS Symbology
Q40	ക്ക്ഷം	Mooring buoys	유 유 유 유 유 OrW OrW OrW Grey WOr WOr
Q41	A Fl.Y.2,5s	Lighted mooring buoys (examples)	品 FIY 品 FIY ま+ ま+ OrW OrW Grey WOr
Q42		Trot, mooring buoys with ground tackle and berth numbers	
Q43	Å	Mooring buoy with telegraphic or telephonic communication	۲ ۵rw
Q44	Small Craft Moorings	Numerous moorings (example)	Mooring Buoys Bouées d'amarrage

	S	PECIAL PURPOSE BUOYS	
Ref. #	IHO Symbology	Description	CHS Symbology
Q50	Å DZ	Firing danger area (Danger Zone) buoy	A FIY
Q51	င်္ခို Target/Cible	Target	
Q52	Å Marker Ship Navire-repère	Marker ship	
Q53	ထို Barge/Chaland	Barge	
Q54	ģ	Degaussing range buoy	
Q55	đ	Cable buoy	
Q56	å	Spoil ground buoy	
Q57	ģ	Outfall buoy	
Q58	Can ODAS/SADO	ODAS buoy - Ocean Data Acquisition System	ODAS/SADO
Q59	ģ	Wave recorder, current meter	
Q60		Seaplane anchorage buoy	
Q61		Traffic separation scheme buoy	
Q62	¢	Buoy marking recreation zone	

Last Updated: 2000-09-08

SEASONAL BUOYS						
Ref. # IHO Symbology Description CHS Symbology						
Q70	að (priv)	Buoy privately maintained (example)	A Priv			
Q71	Apr-Oct) V (Avr-Oct)	Temporary buoy (example)				

		BEACONS	
Ref.#	IHO Symbology	Description	CHS Symbology
Q80	_I ⊚ Bn	Beacon in general, characteristics unknown or chart scale too small to chart	. Bn
Q81	BW	Beacon with colour, no distinctive topmark	• BnR
Q82	D A O D A O	Beacons with colours and topmarks (examples)	1 2 4 4
Q83	BRB BRB	Beacon on submerged rock (topmark as appropriate)	

Last Updated: 1997-06-13

	Ν		NENT MARKS USUALLY IN DR AL MARK OF MINOR CHANNE	
Ref. #	IHO S	ymbology	Description	CHS Symbology
Q90			Stake, pole	+ . + 1
Q91	PORT HAND BÂBORD	STARBOARD HAND TRIBORD	Perch, stake	+_ + £
	Ϋ́	Î		+Ψ I
Q92	¥	±	Withy, bush stakes	

Last Updated: 2003-12-16

	MIN	OR MARKS USUALLY ON LAND	
Ref. #	IHO Symbology	Description	CHS Symbology
Q100	\$	Cairn	A †⊙cairn
Q101	D Mk	Coloured or white mark	
Q102.2	n î î RW	Coloured topmark (colour known or unknown) with function of beacon	
Q102.2	RW RW	Painted boards with function of leading beacons	B

	BEACON TOWERS							
Ref. #]	IHO Sy	ymbol	ogy		Description	CHS Symbology
Q110	Д R	G	р Д R	G	₿Y BY	Д BRB	Beacon towers without and with topmarks and colours (examples)	
Q111	₿.			Lattice beason				

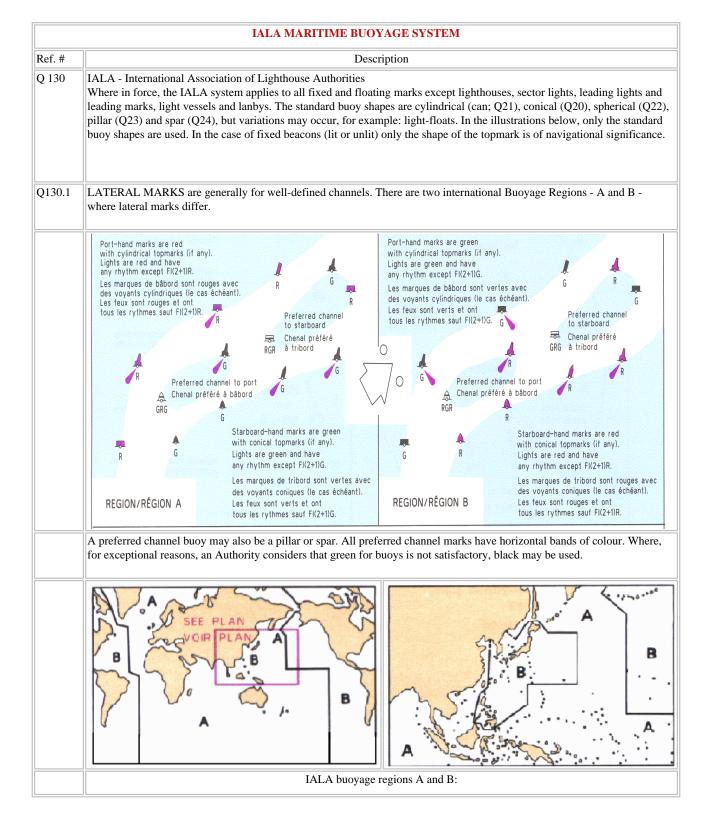


	SPECIA	L PURPOSE BEACONS	
Ref. #	IHO Symbology	Description	CHS Symbology
Q120	ĮĮ	Leading beacons	2 Bns Bn Bn
Q121	JJ.	Beacons marking a clearing line	Bn Bn
Q122	Measured Distance Distance mesurée 1852 m 090°-270°	Beacons marking a measured distance with the quoted bearings	Bns Bns 90°-270° 1852m
Q123	¢	Cable landing beacon	
Q124	_ Ref	Refuge beacon	
Q125		Firing danger area beacons	
Q126	P	Notice board	

Last Updated: 2003-11-14

		SUPPLEMENTARY NATIONAL SYMBO	OLS
Ref. #	IHO Symbology	Description	CHS Symbology
Qa		Buoy or beacon symbol out of position	₹.° + ₹.₽° *
Qb	W B R Y G Or	White Black Red Yellow Green Orange	W B R Y G Or
Qc		Bell buoy	∬ BELL + 母 Bell
Qd		Whistle buoy	겠 ₩HIS + & Whistle
Qe		Gong buoy	∬ GONG +⊕ Gong
Qf		Starboard hand buoy	R R R R
Qg		Port hand buoy	
Qh		Mid-channel buoy, Fairway buoy, Safe-water buoy	Q. A. A. T. A. R. R. BW BW BW
Qi		Starboard bifurcation buoy	FI (2+1)R FI (2+1)R BELL AWHIS RGR RGR RGR RGR
Qj		Port bifurcation buoy	FI (2+1) G FI (2+1) G GRG GRG GRG GRG GRG GRG GRG GRG GRG GRG GRG GRG
Qk	5	Junction buoy, Middle ground buoy	A A B

Ref. #	IHO Symbology	JPPLEMENTARY NATIONAL S Description	CHS Symbology
Ql		Anchorage Buoy	
Qm		Cautionary buoy	$\begin{array}{c} + + + + \\ A \\ Y \\ Y \end{array} \begin{array}{c} FIY \\ FIY \\ Y \\ Y \end{array} \begin{array}{c} A \\ Y \\ Y \end{array} \begin{array}{c} + + + + \\ A \\ Y \\ Y \end{array} \begin{array}{c} + + + + \\ A \\ Y \\ Y \end{array}$
Qn		Keepout buoy	₩Or ₩Or ₩Or ₩Or +
Qo		Control Buoy	Wor Wor Wor Wor +
Qp		Information buoy	Wor Wor Wor H
Qq		Swimming buoy	
Qr		Diving Buoy	よ FIY品 W W
Qs		Hazard buoy	A A wor wor wor
Qt		Daybeacons	Fixed Floating Fixes Flottantes
		-starboard	
		-port -bifurcation-junction	
Qu		Pipeline sign	
Qv		Cable sign	Cable o minimum



	IALA MARITIME BUG	OYAGE SYSTEM			
Ref. #	Description				
Q130.2	DIRECTION OF BUOYAGE - is that taken when approaching a harbour from seaward or along coasts, the direction determined by buoyage authorities, normally clockwise around land masses.				
	2 C	2			
	Symbol showing direction of buoyage where not obvious	Symbol showing direction of buoyage on multicoloured charts			
	In the illustration below, all marks are the same in Regions A and B.				
Q130.3	CARDINAL MARKS indicating navigable water to the named side of the marks.				
	UNLIT MARKS	LIGHTED MARKS			
	Topmark: 2 black cones	White light Time (seconds)			
	N Black over yellow Noir sur jaune Yellow with black band W Yellow with black band DANGER BYB BYB BYB BYB BYB BYB BYB BYB BYB BY	$E = \begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0$			
	S	The same abbreviations are used for lights on spar buoys and beacons. The periods 5s, 10s and 15s may not always be			

	IALA MARITIME BUOYAO	GE SYSTEM		
Ref. #	Description			
Q130.4	ISOLATED DANGER MARKS stationed over dagners with navigable waters around them			
	Body: black with red horizontal band Topmark: 2 black spheres	white light		
	BRB BRB	D BRB BRB		
Q130.5	SAFE WATER MARKS such as mid-channel and landfall marks			
	Body: red and white vertical stripes Topmark (if any): red sphere	white light		
Q130.6	SPECIAL MARKS not primarily to assist navigation but to indicate special features			
	Body (shape optional): yellow or white. In special cases, white can be in conjunction with another colour. Topmark (if any): yellow X.	Light (if any): yellow Rhythm optional		
	A A A A A A A A A A A A A A A A A A A			

GENERAL					
Ref. #	IHO Symbology	Description	CHS Symbology		
R1		Position of fog signal, type of signal not stated	• FogSig		

TYPES OF FOG SIGNALS WITH ABBREVIATIONS					
Ref. #	IHO Symbology	Description	CHS Symbology		
R10	Explos	Explosive	FogSig		
R11	Dia	Diaphone	FogSig Dia†		
R12	Siren	Siren	FogSig		
R13	Horn	Horn	FogSig Horn†		
R14	Bell	Bell	BELL Bell†		
R15	Whis	Whistle	WHIS Whis†		
R16	Gong	Gong	GONG Gong†		

Ref. #	IHO Symbology	Description	CHS Symbology
R20	FI.3s 70m 29M	Siren at a lighthouse, giving a long blast followed by a short one (N), repeated every 60 seconds	• FogSig (2) 60s
R21	III Bell	Wave-actuated bell buoy	R +
R22	(I(A) = Q(6) + LFI.15s YB Horn(1)15s Whis	Light buoy with horn giving a single blast every 15 seconds in conjunction with a wave-actuated whistle	

S RADAR, RADIO, ELECTRONIC POSITION-FIXING SYSTEMS

		RADAR	
Ref. #	IHO Symbology	Description	CHS Symbology
S1	o Ra	Coast radar station providing bearing and distance on request	Ra
S2	© Ramark	Ramark, radar beacon transmitting continuously	
S3.1	Racon(D)	Radar transponder beacon, with morse identification, responding within the 3cm (X) band	· Racon
\$3.2	o Racon(D) (10 cm)	Radar transponder beacon, with morse identification, responding within the 10cm (S) band	· Racon
\$3.3	 Racon(3&10cm) 	Radar transponder beacon, responding within the 3cm (X) and the 10cm (S) band	· Racon
\$3.4	• F Racon	Radar transponder beacon, responding on a fixed frequency outside the marine band	· Racon
S3.5	Racon Z270° Racon Racon	Radar transponder beacons with bearing line	

S RADAR, RADIO, ELECTRONIC POSITION-FIXING SYSTEMS

	RADAR				
Ref. #	IHO Symbology	Description	CHS Symbology		
S 3.6	Racon Racon	Floating marks with radar transponder beacons	A Racon		
S4	يىر	Radar reflector			
S5		Radar-conspicuous feature	+ Conspic		

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	RADIO				
Ref. #	IHO Symbology	Description	CHS Symbology		
S10	Image: Second system Image: Second system	Circular (non-directional) marine or aeromarine radiobeacon	• RC + • Ro Bn		
S11	RD 00 RD 269,5°	Directional radiobeacon with bearing line			
S12	© RW	Rotating-pattern radiobeacon			
S13	© Consol	Consol beacon			
S14	© RG	Radio direction-finding station			
815	0 R	Coast radio station (QTG)	·		
S16	Aero RC	Aeronautical radiobeacon	• Aero RC + • Aero Ro Bn		

	ELECTRONIC P	OSITION-FIXING SYSTEMS - DECCA	
Ref. #	IHO Symbology	Description	CHS Symbology
S20	AB AC AD	Identification of Lattice Patterns	
S21		Line of Position (LOP)	
\$22		Line of Position representing Zone Limit (or, on larger-scale charts) other intermediate LOPs	
\$23	· · · · · · · · · · · · · · · · · · ·	Half-lane LOP	
S24		LOP from adjoining Chain (on Interchain Fixing charts)	
S25	161 A 12	Lane value, with chain designator (Interchain charts only) and Zone designator	
Note: Cana	dian Hydrogrpahic Service charts no long	ger depict Decca lattices.	

S RADAR, RADIO, ELECTRONIC POSITION-FIXING SYSTEMS

		LORAN-C	
Ref. #	IHO Symbology	Description	CHS Symbology
S30	7970-W 7970-X	Identification of Loran-C rates	7930-X
S31		Line of Position (LOP)	
S32		LOP representing time difference value of an integral thousand microseconds	
S33		LOP beyond reliable groundwave service area	
S34		LOP from adjoining Chain	
S35		LOP from adjoining Chain beyond reliable groundwave service area	
S36	1910-X 33000	LOP labelled with rate and full value in microseconds	7930-X-33000
S37	050	LOP labelled with final three digits only	050

S RADAR, RADIO, ELECTRONIC POSITION-FIXING SYSTEMS

	OMEGA				
Ref. #	IHO Symbology	Description	CHS Symbology		
S40	AB AC BC	Charted station pairs			
S41		Line of position (LOP)			
S42	891 <u>AB-900</u>	Lane values			
Note: The	Canadian Hydrographic Service does n	ot chart Omega lattices.	т <u>.</u>		

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	SATELLITE NAVIGATION SYSTEMS				
Ref. #	IHO Symbology	Description	CHS Symbology		
S50	WGS WGS 72 WGS 84	World Geodetic System 1972 or 1984	WGS 84		
	Note: A note indicating the shift of latitude and longitude may be shown in the chart title. For charting purposes, the World Geodetic System 1984 (WGS 84) is equivalent to North American Datum 1983 (NAD 83).				

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	SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology	
Sa		Loran tower	🗐 Loran 💿 Loran Tr	

		PILOTAGE	
Ref. #	IHO Symbology	Description	CHS Symbology
T1.1		Pilot boarding station	
T1.2	Name Nom	Pilot boarding station with name	Name Nom
T1.3	Note/Nota	Pilot boarding station with note	Note
T1.4	🕐 н	Pilots transferred by helicopter	
T2	 Pilot look-out Vigie pilotes 	Pilot office with pilot look-out	
Т3	Pilots Pilotes	Pilot office	Pilots Pilotes
T4	Port name Nom du port (Pilots) (Pilotes)	Port with pilotage service	

	C	DAST GUARD, RESCUE	
Ref. #	IHO Symbology	Description	CHS Symbology
T10	■cg ocg fcg	Coast guard station	CG
T11		Coast guard station with rescue station	cg 🔶
T12	+	Rescue station, Lifeboat station	+
T13	\$\$ ♦	Lifeboat lying at mooring	
T14	Ref	Refuge for shipwrecked mariners	Π

		SIGNAL STATIONS	
Ref. #	IHO Symbology	Description	CHS Symbology
T20	© SS	Signal station in general	Sig Sta
T21	⊙ SS (INT)	Signal station showing International Port Traffic Signals	
T22	o SS (Traffic) SS (Trafic)	Traffic signal station, Port entry and departure signals	
T23	SS (Port control) SS (Contrôle)	Port control signal station	
T24	SS (Lock) SS (Écluse)	Lock signal station	
T25.1	SS (Bridge) SS (Pont)	Bridge passage signal station	
T25.2	F. ⊙ Traffic-Sig Sig trafic	Bridge lights including traffic signals	
T26	★ SS	Distress signal station	
T27	© \$\$	Telegraph station	† _{Telh}
T28	o SS (Storm) SS (Tempête)	Storm signal station	
T29	SS (Weather) SS (Météo)	Weather station, Wind signal station	
T30	SS (Ice) SS (Glace)	Ice signal station	
T31	SS (Time) SS (Heure)	Time signal station	

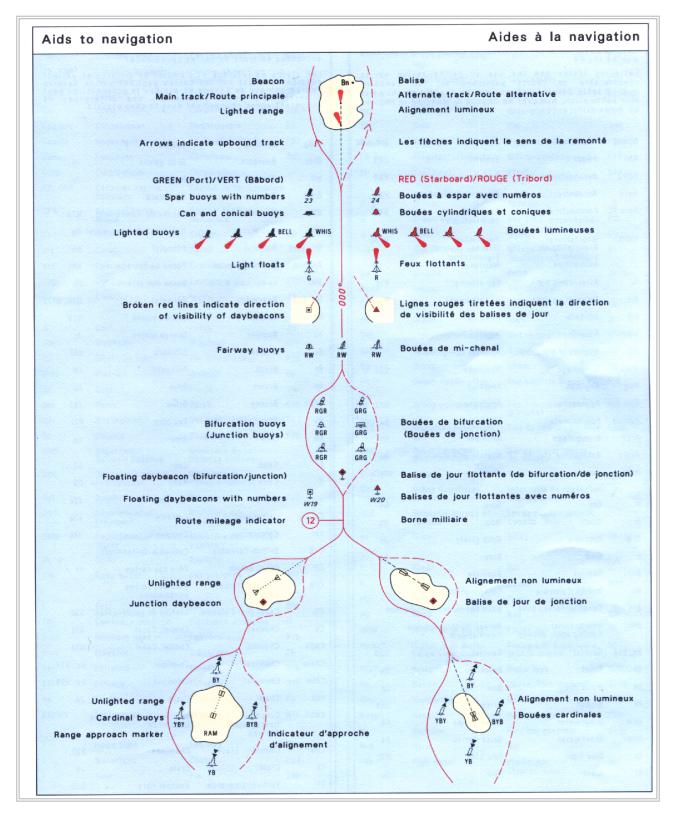
	SIGNAL STATIONS			
Ref. #	IHO Symbology	Description	CHS Symbology	
T32.1	ŧ	Tide scale or gauge (Water level gauge)	٦	
T32.2	⊙ Tide gauge Marégraphe	Automatically recording tide gauge	. D	
Т33	SS (Tide) SS (Marée)	Tidal signal station		
T34	SS (Stream) © SS (Courant)	Tidal stream signal		
T35	⊙ SS (Danger)	Danger signal station		
T36	SS (Firing) SS (Tir)	Firing practice signal station		

SMALL CRAFT FACILITIES			
Ref. #	IHO Symbology	Description	CHS Symbology
U1.1		Marina, Boat harbour	
U1.2		Yacht berths without facilities	
U2		Visitors berth	
U3		Vistors mooring	
U4		Yacht club, Sailing club	
U5		Ramp, Boat launching site (Public)	
U6		Boat hoist	
U7		Public landing	
U8		Sailmaker	
U9		Boatyard	
U10		Public inn	
U11		Restaurant	
U12		Chandler	
U13		Provisions	
U14		Bank, Exchange office	
U15		Physician, Doctor	
U16		Pharmacy, Chemist	
U17		Water tap	
U18		Fuel station (Petrol, Diesel)	

U SMALL CRAFT

		SMALL CRAFT FACILITIES	
Ref. #	IHO Symbology	Description	CHS Symbology
U19		Electricity	
U20		Bottle gas	
U21		Showers	
U22		Laundrette	
U23		Public toilets	
U24		Post box	
U25		Public telephone	
U26		Refuse bin, Garbage disposal	
U27		Car park	
U28		Parking for boats and trailers	
U29		Caravan site	
U30		Camping site	©
U31		Water police	
U32		Note: Marina Facilities are not ident	ified on CHS charts.

SUPPLEMENTARY NATIONAL SYMBOLS			
Ref. #	IHO Symbology	Description	CHS Symbology
Ua		Picnic	Ŧ
Ub		Speed limit indicator	⊖-
Uc		Public wharf	Public † Pub † Govt



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Periods are not shown after abbreviations in the following list, however on older editions of Canadian charts, they may be shown.

Lettering styles and the use of capitalization varies considerably on charts published by the Canadian Hydrographic Service and may not be exactly as shown in this publication; however no change in meaning is implied by these differences.

Α		
Aband	Abandoned	L14, L44
Abt	About	O89
AERO	Aeronautical light	P60
Aero	Air obstruction light	P61
Aero RC	Aeronautical Radiobeacon	S16
AISM	Internationl Association of Lighthouse Authorities	Q130
Al	Alternating light	P10
Alt	Alternating light	P10
Alt	Altitude	
Alta	Alberta	
AN	Notices to Mariners	
Anch	Anchorage	O21
Ang	Anglican	
Арр	Approaches	O21
Approx	Approximate	Ba, O89
Arch	Archipelago	G5
Astro	Astronomic station	Bb
Ave	Avenue	G111
В		
В	Bay	04
В	Black	Qb
B, b	Boulders	Jc
b	Blue	Jq
Bapt	Baptist	
BC	British Columbia	
BFC	Canadian forces base	
BHI	International Hydrographic Bureau	
Bk, Bks	Bank(s)	O23

B		
Bk	Brook	Ob
bk	Black	Jp
bk	Broken	J33
Bkw	Breakwater	F4
Bkwr	Breakwater	F4
Bl	Blue light	P11
bl	Black	Jp
Bldg	Building	
Blds	Boulders	Jc
blk	Black	Jp
Blvd	Boulevard	
BM	Bench Mark	B23
BM	Low Water	Hg
Bm, Bms	Boom (s)	N61
Bm Grd	Booming ground	N61
BMI	Lower Low Water	Hh
Bn, Bns	Beacon (s)	Q80, Q122
Bo	Boulder	G28
bo	Boulder	Jc
Br	Breakers	K17
Br	Brook	Ob
br	Brown	Ju
brk	Broken	J33
Bu	Blue light	P11
bu	Blue	Jq

С		
С	Саре	G7
С	Cove	09
c	Coarse	J32
Ca, ca	Calcareous	J38
cal	Calcareous	J38
C-B	British Columbia	
CD	Chart datum	H1
CFB	Canadian forces base	
CG	Coast guard station	T10
Ch	Channel	014
Chan	Channel	O14
Chem	Chemical	Lc, N24
Chim	Chemical	Lc, N24
chk	Chalk	Jd
CHS	Canadian Hydrographic Service	
Chy	Chimney, Stack	E22
Ck	Chalk	Jd
Cl	Vertical clearance	D20
Cl, cl	Clay	J3
cm	Centimetre(s)	B43
CN, CNR	Canadian National Railways	
Co	Company	
Со	Coral	J10
Conspic	Conspicuous	E1
Constr	Under construction	F32
Conv	Conveyor	Dd
Corp	Corporation	
CP, CPR	Canadian Pacific Railways	
CPN	National Harbours Board	

С		
Cr	Creek	07
crl	Coral	J10
crs	Coarse	J32
Cup	Cupola	E10
Су	Clay	J3
D		
d	Dark	Jw
Dia	Diaphone	R11
Dir	direction light	P30
Dist	District	Gc
dk	Dark	Jw
Dm	Dome	E10, Ea
dm	Decimetre(s)	B42
Dn	Dolphin	F20
DND	Department of National Defence	
DOE	Department of the Environment	
Dol	Dolphin	F20
DOT	Department of Transport	
DPW	Department of Public Works	
Dr, dr	Dries	
DW	Deep water	N12
E		
E	East	B10
ED	Existence doubtful	I1
E Int	Isophase light	P10
Elev	Elevator	Eb
Ent	Entrance	O16
Est	Estuary	017
ev	Every	Pd
Explos	Explosives	N12, N23

F		
F	Fixed light	P10
F	Waterfalls	C22
f	Fine	J30
Fd	Fjord, Fiord	O5
FFI	Fixed and flashing light	P10
Fl	Flashing light	P10
Fla	Flame tower	E23, L11
Flo	Floating	F16
fm	Fathom(s)	B48
fne	Fine	J30
Fog Sig	Fog signal	F10-F13
FS	Flagstaff, Flagpole	E27
ft	Foot(Feet)	B47
G		
G, g	Gravel	J6
G	Green light	P11
G	Gulf	O3
GD	Geodetic Datum	Нс
Gd	Ground	Ja, Oc
Geod	Geodetic	
Gl	Glacier	Gc
gn	Green	Jr
GNL	Liquefied natural gas	G185
Govt	Government	Uc
Gp	Group	Ga
Gp Fl	Group flashing light	P10
Gp Occ	Group occulting light	P10
GPL	Liquefied petroleum gas	g186
GRC	Royal Canadian Mounted Police	
Grd, grd	Ground	Ja, Oc
GRI	Group Repetition Interval	
GSC	Geodetic Survey of Canada	
gy	Grey	Jv

Н		
h	Hard	J39
h	Hour	B49
Hbr	Harbour	
Hd	Head	G8
HHW	Higher High Water	Не
HHWLT	Higher High Water, Large Tide	Hf
HIST	Historial	N26
Hn	Haven	G139
hor	Horizontal	P15
Hosp	Hospital	F62
Hr	Harbour	G138
hrd	Hard	J39
HW	High Water	Hd
HWF&C	High Water Full and Change	Hk
Hwy	Highway	
		I
Ι	Island	G1
IALA	International Associaton of Lighthouse Authorities	Q130
IGLD	International Great Lakes Datum	Hb
IHB	International Hydrographic Bureau	
IHO	International Hydrographic Organization	
Illum	Floodlight	P63
in	Inch(es)	Bc
Int	Inlet	O10
Inter	Prohibited	N2
Int Qk Fl	Interrupted quick light	P10
Î-P-É	Prince Edward Island	
IQ	Interrupted quick light	P10
IR	Indian Reserve	
Is	Islands	G1
Iso	Isophase light	P10
It, Its	Ilet(s)	G2

J		
Jct	Junction	Gd
К	1.	
kc	Kilocycle(s)	Bf
kHz	Kilohertz	Bg
km	Kilometre(s)	B40
kn, kns	Knot(s)	B52
L		
L	Lake	O6
1	Large	Jn
Lag	Lagoon	G13, O8
LASH	Lighter aboard ship	G184
Lat	Latitude	B1
LD	Limiting or Least Depth	
Ldg	Landing	F17
Ldg	Leading light	P20
Le, Les	Ledge(s)	O28
LFI	Long flashing light	P10
LH	Lighthouse	P1
LLW	Lower Low Water	Hh
LLWLT	Lowest Low Water, Large Tide	Hj
Lndg	Landing	F17
LNG	Liquefied natural gas	G185
LNT	Lowest Normal Tide	Hi
Long	Longitude	B2
LPG	Liquefied petroleum gas	G186
lrg	Large	Jn
Lt, Lts	Light(s)	P20
Lt Ho	Lighthouse	P1
LW	Low Water	Hg

М		
M, m	Mud	J2
М	Nautical mile(s)	B45
m	Metre(s)	B41
Magn	Magnetic	B61
Man	Manitoba	
Max	Maximum	
MDE	Department of the Environment	
MDN	Department of National Defence	
MDT	Department of Transport	
MHW	Mean High Water	Н5
MHz	Megahertz	Bh
Micro	Microwave tower	Ec
Micro Tr	Microwave tower	Ec
Mid	Middle	
Min	Miminum	
min	Minute of time	B50
Ml, ml	Marl	Jb
MLW	Mean Low Water	H4
mm	Millimetre(s)	B44
Мо	Morse Code light	P10
Mon	Monument	E24
Mont	Monument	E24
МОТ	Ministry of Transport	
Mouil	Anchorage	O21
Ms	Mussels	J11
MSL	Mean Sea Level	Нб
Mt, Mts	Mountain(s)	G23, O32
Mtn, Mtns	Mountain(s)	G23, O32
МТР	Department of Public Works	
Mus	Mussels	J11
MWL	Mean Water Level	На

Ν		
N	North	B9
NAD	North American Datum	S50
Nat	National	
NB, N-B	New Brunswick	
NE	Northeast	B13
N-É	Nova Scotia	
Nfld	Newfoundland	
NHB	National Harbours Board	
NM	Notices to Mariners	
NME	Mean Water Level	На
No	Number	
Np	Neap tide	H17
Nrs	Narrows	015
NS	Nova Scotia	
NW	Northwest	B15
NWT	Northwest Territories	
0		
Obs	Observation	
Obsc, Obscd	Obscured Light	P43
Obstn	Obstruction	K40-K42
Obstr	Obstruction	K40-K42
Oc, Occ	Occulting light	P10
Occas, Occsl	Occasional light	P50
ODAS	Ocean Data Acquisition System	Q58
OHI	International Hydrographic Organization	
Ont	Ontario	
Or	Orange	Qb
Oy, Oys, oys	Oysters	J11
Oz, oz	Ooze	J4

Ρ		
Р	Pebbles	J7
Р	Pond	
PA	Position approximate	B7
Pass	Passage	O13
PCSP	Polar Continental Shelf Project	
PD	Position doubtful	B8
peb	Pebbles	J7
PEI	Prince Edward Island	
Pen	Peninsula	G4
Pk	Peak	G25, O35
РМ	High Water	Hd
PMS	Higher High Water	Не
PMSGM	Higher High Water Large Tide	Hf
РО	Post Office	
ро	Inch(es)	Bc
PQ	Province of Quebec	
Priv	Private	P65, Q70
Prohib	Prohibited	N2
Prom	Promontory	G20
Prov	Province	O66
Pt	Point	G9
Pte	Point	G9
Pub	Public	Uc
PWI	Potable Water Intake	Lb
Q		
Q	Continuous quick light	P10
Qk Fl	Continuous quick light	P10
qrtz	Quartz	Je
Qué	Quebec	
Qz	Quartz	Je

R		
R	Coast radio station	S15
R	Rapids	C22
R	Red light	P11
R	River	Oa
R, r	Red	Jt, Qb
R, r	Rock, Rocky, Shingle	J9
Ra	Coast radar station	S1
Ra	Radar tower or mast	E30
Racon	Radar transponder beacon	\$3
Ra (conspic)	Radar conspicuous object	S5
RAM	Range approach marker	U
Ra Tr	Radar tower or mast	E30
RC	Circular radiobeacon	S10
RC	Roman Catholic	
RCMP	Royal Canadian Mounted Police	
Rd	Road	G110
Rd	Roadstead	O20
rd	Red	Jt
Rep	Reported	13
Repd	Reported	13
Rf, Rfs	Reef(s)	O26
RG	Geodetic Datum	Нс
Rge	Range of mountains	G21
RIGL	International Great Lakes Datum	Hb
Rk, Rks	Rock(s)	G11, O27
Rk, Rky	Rock, Rocky, Shingle	J9
Ro	Radio tower or mast	E28
Ro Bn	RadioBeacon	S10
RT	Radio telephone station	
Ru	Ruins	D8, F33
Ruis	Brook	Ob
Ry	Railway	D13

S		1
S, s	Sand	J1
S	South	B11
S	Second of time	B51
SADO	Ocean Data Acquisition System	Q58
Sask	Saskatchewan	
Sch	Schist	
SD	Sounding doubtful	I2
Sd	Sound	012
SE	Southeast	B14
sec	Second of time	B51
sf	Stiff	J36
sft	Soft	J35
Sh, sh	Shells, Oysters, Mussels,	J11
Sh	Shoal	O24
SHC	Canadian Hydrographic Service	
shin	Shingle	J9
Shl	Shoal	O24
Si	Silt, Ooze	J4
Sig Sta	Signal station	T20
sm	Statute mile(s)	Be
sm	Small	Jm
sml	Small	Jm
SMt, SMT	Seamount	033
Sn	Shingle	J9
so	Soft	J35
Sp	Church spire	E10
Sp	Spring tide	H16
SPM	Single point mooring	L16
Spr	Spring tide	H16
St	Saint	G54
St, st	Stones	J5
St	Street	G110
Ste	Saint	G54
stf	Stiff	J36
stk	Sticky	J34
Stn	Station	
Str	Strait	011
Subm	Submerged	O90
SW	Southwest	B16
sy	Sticky	J34

Т		
Tel	Telephone	
Telh	Telegraph Station	T27
T-N	Newfoundland	
TN-O	Northwest Territories	
Tr, Trs	Tower(s)	E10, E20
TV	Television tower or mast	E29
TV Tr	Television tower or mast	E29
TY	Yukon Territory	
U		
U	Unwatched light	P53
Un	United church	
Uncov	Uncovers	
US, USA	United States of America	
V		
Varn	Variation	B61
vert	Vertical	P15
Vis	Visibility	
VQ	Continuous very quick light	P10
W		1
W	West	B12
W	White light	P11
w	White	Jo
Wd, wd, Wds	Weeds	J13
WGS	World Geodetic System	S50
wh	White	Jo
whf	Wharf	
WHIS, Whis	Whistle buoy	Qc, R15
Wk	Wreck	K20-K27
Wks	Wrecks	Na
WT	Water tower	
Y	1	I
Y	Yellow, Orange or Amber light	P11
у	Yellow	Js
yd	Yard(s)	Bd
yl	Yellow	Js
YT	Yukon Territory	
Z	<u> </u>	II
ZC	Chart datum	H1

International Abbreviations		
B	POSITIONS, DISTANCES, DIRECTIONS, COMPASS	
PA	Position approximate	B7
PD	Position doubtful	B8
N	North	B9
E	East	B10
S	South	B11
W	West	B12
NE	Northeast	B13
SE	Southeast	B14
NW	Northwest	B15
SW	Southwest	B16
km	Kilometre(s)	B40
m	Metre(s)	B41
dm	Decimetre(s)	B42
cm	Centimetre(s)	B43
mm	Millimetre(s)	B44
М	Nautical Mile(s)	B45
ft	Foot/Feet	B47
h	Hour	B49
m	Minute(s) of time	B50
s	Second(s) of time	B51
kn	Knot(s)	B52
D	CULTURAL FEATURES	
Ru	Ruins	D8
E	LANDMARKS	
Tanks	Large group of tanks	E32
F	PORTS	
Lndg	Landing	F17

Ι	DEPTHS	
ED	Existence doubtful	11
SD	Sounding doubtful	12
K	ROCKS, WRECKS, OBSTRUCTIONS	
Br	Breakers	K17
Wk	Wreck	K20
Obstn	Obstruction	K40
L	OFFSHORE INSTALLATIONS	
Fla	Flare stack	L11
N	AREAS, LIMITS	
No	Number	N12.2
DW	Deep Water	N12.4
0	HYDROGRAPHIC TERMS	
SMt	Seamount	O33
Р	LIGHTS	
Lt	Light	P1
F	Fixed	P10.1
Oc	Occulting	P10.2
Iso	Isophase	P10.3
Fl	Flashing	P10.4
LFl	Long Flashing	P10.5
Q	Continuous quick	P10.6
IQ	Interrupted quick	P10.6
VQ	Continuous very quick	P10.7
Мо	Morse Code	P10.9
Al	Alternating	P10.11
W	White	P11.1
R	Red	P11.2
G	Green	P11.3

W INTERNATIONAL ABBREVIATIONS

Р	LIGHTS	
Bu	Blue	P11.4
Y	Yellow, orange, amber	P11.6
Dir	Direction	P30.1
occas	Occasional	P50
Aero	Aero light	P60
R Lts	Air obstruction light	P61.2
Priv	Private	P65
Q	BUOYS, BEACONS	
ODAS	Ocean Data Acquisition System	Q58
SADO	Ocean Data Acquisition System	Q58
IALA	International Association of Lighthouse Authorities	Q130
AISM	International Association of Lighthouse Authorities	Q130
R	FOG SIGNALS	
Explos	Explosive	R10
Dia	Diaphone	R11
WHIS	Whistle	R15
S	RADAR, RADIO, ELECTRONIC POSITION-FIXING SYSTEMS	
Ra	Coast radar station	S1
Racon	Radar transponder beacon	S3
RC	Circular (non-directional) marine radiobeacon	S10
R	QTG Coast radio station	S15
Aero RC	Aeronautical radiobeacon	S16
WGS	World Geodetic System	S50
Т	SERVICES	
INT	International	T21

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Dyke F1	Gasfield, name of L1
F11 (11 1 ()) II (1	Geodetic datum Hc
Ebb tidal stream H41	Glacier C25
Eddies H45	Gravel J6
Electricity (small craft) U19	Graving dock, Dry dock F25
Elevation	Green (quality of bottom) Jr
- of top of trees C14	Grey (quality of bottom) Jv
- plane of reference H20	Gridiron F24
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