



SINGAPOREAN NOTICES TO MARINERS

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The monthly Notices to Mariners contain corrective information affecting charts published by the Hydrographic Department, Maritime and Port Authority of Singapore. The information contained in these Notices should be updated on the charts affected. Notices under Section II apply only to the particular Singaporean Chart(s) indicated.

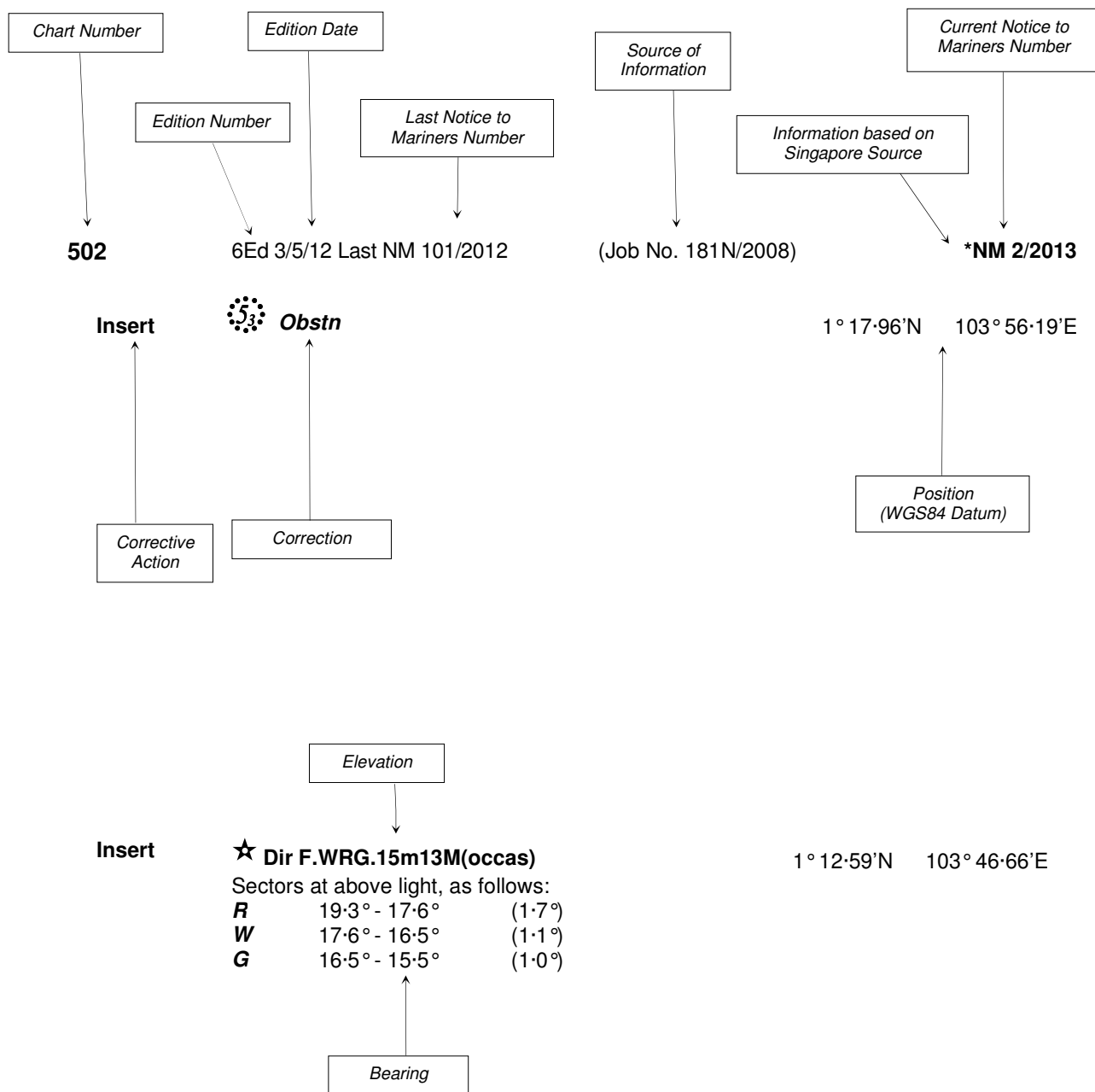
Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately on the discovery of new dangers or suspected dangers to navigation and of changes or defects in aids to navigation. See Hydrographic Note on back page.

The monthly Singaporean Notices to Mariners can be accessed directly from the MPA website:
[www.mpa.gov.sg/sites/port_and_shipping/circulars_and_notices/singapore_notices_to_mariners\(ntm\).page](http://www.mpa.gov.sg/sites/port_and_shipping/circulars_and_notices/singapore_notices_to_mariners(ntm).page)

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EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



Notes:

- a) Notice to Mariners number followed by:
T indicates a Temporary Notice (eg. ***NM 3T/2013**).
P indicates a Preliminary Notice (eg. ***NM 4P/2013**).
- b) Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward.
- c) Heights and elevations are above Mean High Water Springs.

I
INDEX OF CHARTS AND PUBLICATIONS

INDEX OF AFFECTED CHARTS

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*Denotes information are based on Singaporean source.

I
INDEX OF CHARTS AND PUBLICATIONS

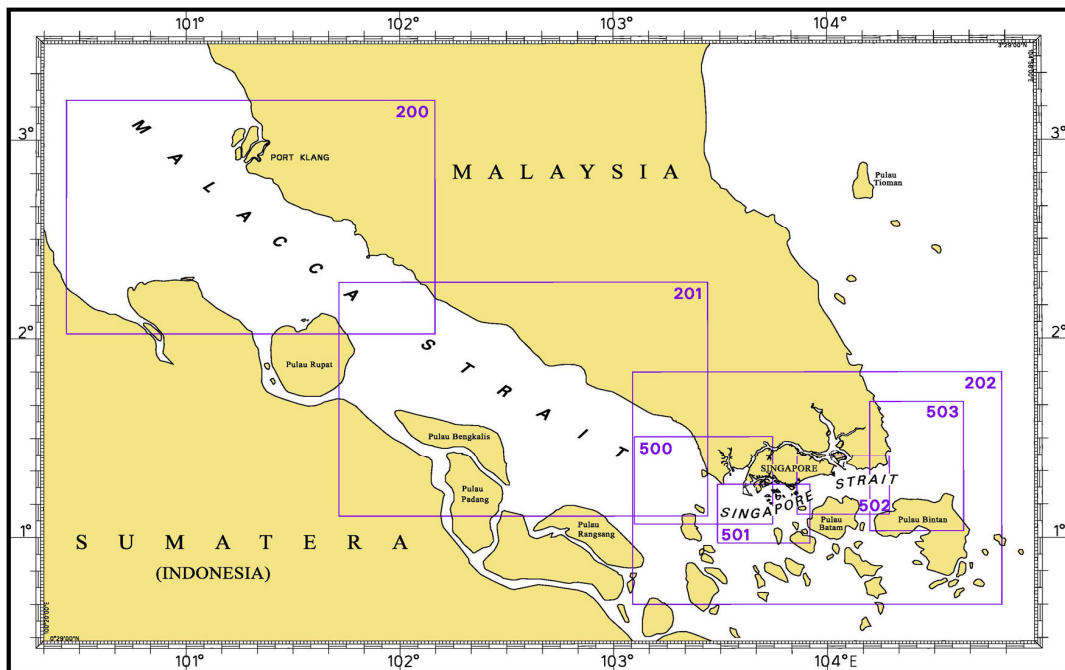
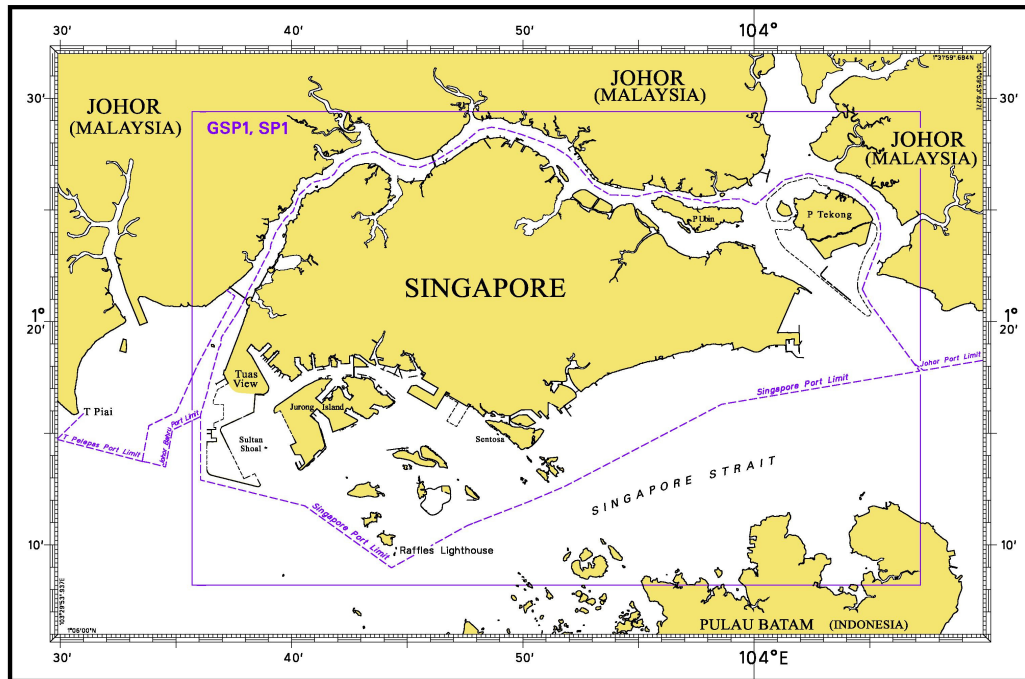
INDEX OF NOTICES

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	New Edition Singaporean Charts	8
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*74, *75	Singaporean Chart GSP1/SP1	12
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I INDEX OF CHARTS AND PUBLICATIONS

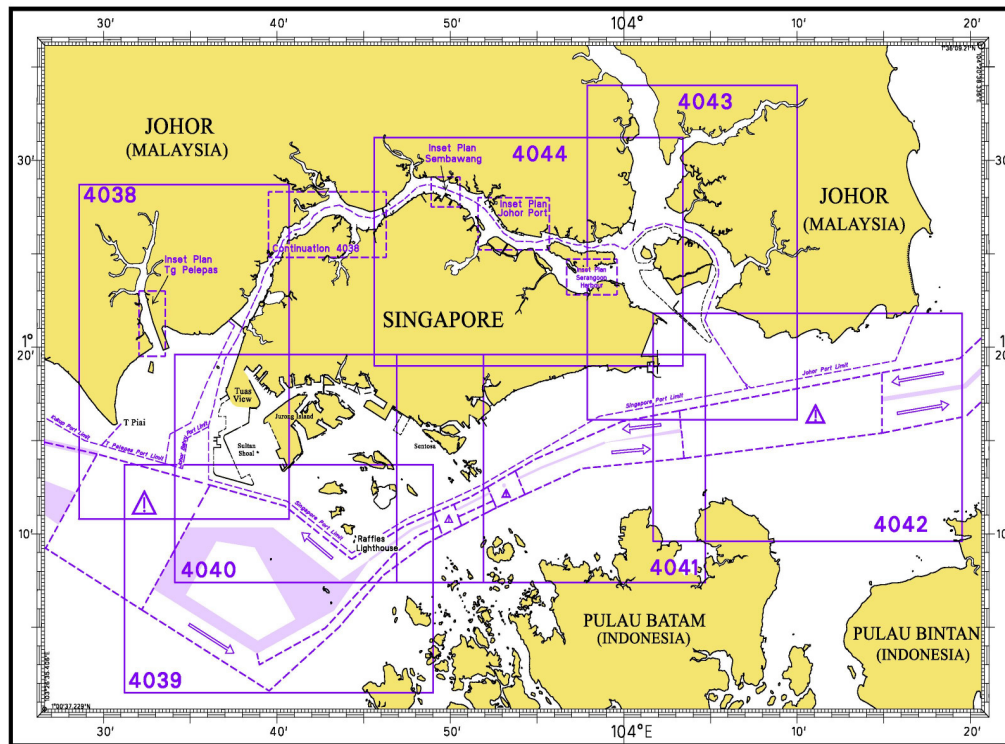
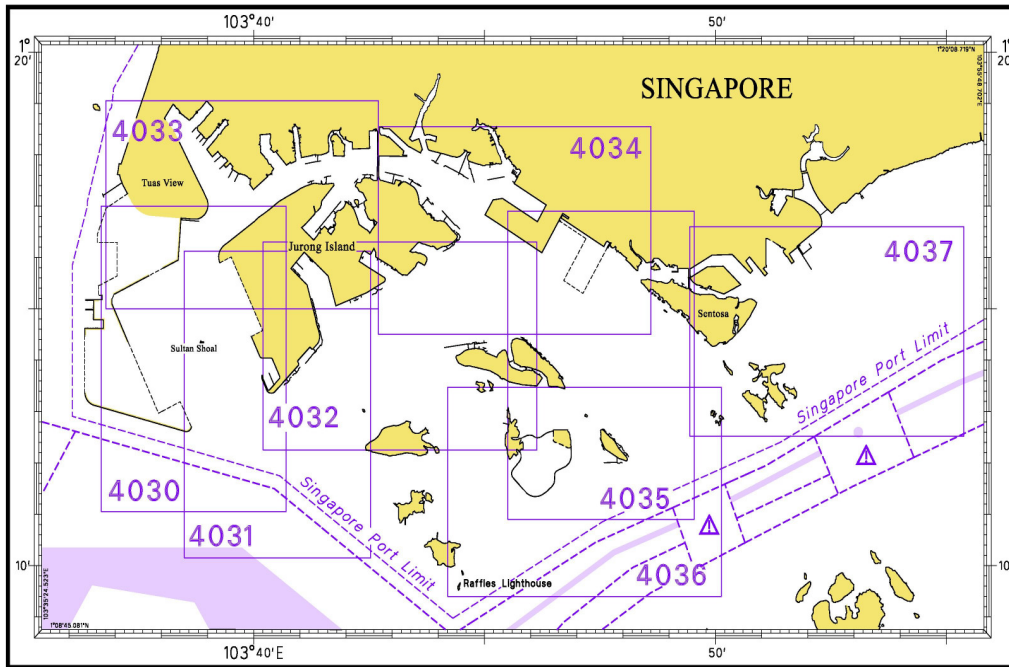
INDEX OF SINGAPOREAN CHARTS



Notes:
 Updated SINGAPOREAN Charts are available through our Print-On-Demand (POD) Chart Service. For more information, refer to Section III – Navigational Information. These charts can be purchased from our authorised Chart Agents.

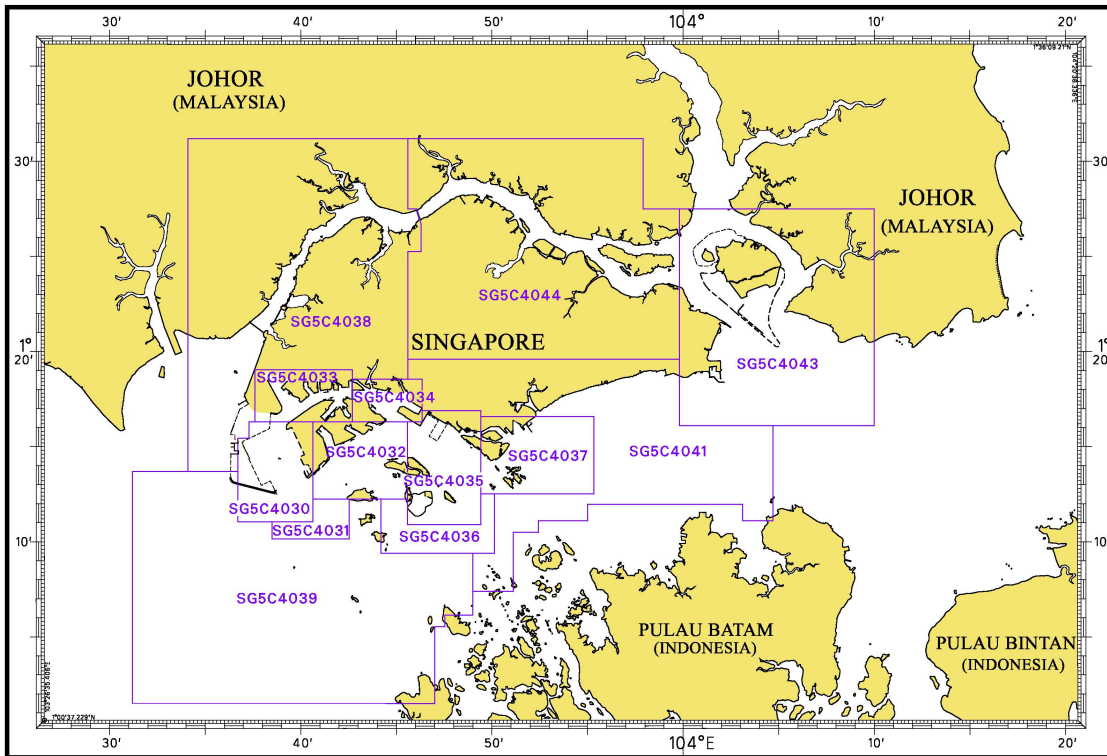
I
INDEX OF CHARTS AND PUBLICATIONS

INDEX OF DUAL BADGED CHARTS



I INDEX OF CHARTS AND PUBLICATIONS

INDEX OF SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC)



COVERAGE OF SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC)

ENC Name	ENC Coverage	ENC Edition
SG5C4030	West Jurong Anchorages and Temasek Fairway	5 th Edition (3/05/2012)
SG5C4031	Western Approaches to Jurong Island	5 th Edition (3/05/2012)
SG5C4032	Sinki Fairway	7 th Edition (3/05/2012)
SG5C4033	Tuas Bay, West Jurong Channel and Pesek Basin	5 th Edition (3/05/2012)
SG5C4034	East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway	11 th Edition (11/04/2013)
SG5C4035	Western Anchorages, Jong Fairway and Cruise Bay	13 th Edition (25/04/2013)
SG5C4036	Raffles Lighthouse to The Sisters	6 th Edition (3/05/2012)
SG5C4037	Keppel Harbour, Tanjong Pagar Terminal and Approaches	7 th Edition (25/04/2013)
SG5C4038	Johor Strait – Western Part	5 th Edition (3/05/2012)
SG5C4039	Western Approaches to Main Strait	5 th Edition (3/05/2012)
SG5C4041	Pulau Sebarok to Changi	7 th Edition (9/05/2013)
SG5C4043	Kuala Johor and Sungai Johor	8 th Edition (16/08/2012)
SG5C4044	Johor Strait – Eastern Part	8 th Edition (16/08/2012)

II NEW PUBLICATIONS

NEW EDITION DUAL BADGED CHARTS TO BE PUBLISHED ON 29TH AUGUST 2013

Chart Number : 4043
Title : Malaysia and Singapore
 : Kuala Johor and Sungai Johor
Coverage : Lat 01° 16'·10 N 01° 34'·00 N
 : Long 103° 57'·90 E 104° 10'·00 E
Scale : 1: 30 000
Date Published : 29th August 2013
Size of Chart : 748·1 x 1099·6 mm
Descriptions : This new edition includes changes to depths from the latest surveys covering areas around Pulau Tekong, Kuala Johor, north of Pulau Ubin, cable corridor off Tanah Merah and the eastern anchorages.

The existing chart of the same number published on 16th August 2012 will be superseded.

Chart Number : 4044
Title : Singapore and Malaysia
 : Johor Strait, Eastern Part
Coverage : Lat 01° 19'·00 N 01° 31'·20 N
 : Long 103° 45'·60 E 104° 03'·40 E
Scale : 1: 30 000
Date Published : 29th August 2013
Size of Chart : 1100·5 x 749·5 mm
Descriptions : This new edition includes changes to depths from the latest surveys covering areas at Sembawang Shipyard, Dockyard Reach, north of Pulau Ubin, north of Pulau Tekong and Kuala Johor.

The existing chart of the same number published on 16th August 2012 will be superseded.

II NEW PUBLICATIONS

NEW EDITION DUAL BADGED CHARTS TO BE PUBLISHED ON 26TH SEPTEMBER 2013

Chart Number : 4035
Title : Port of Singapore
 Western Anchorages, Jong Fairway and Cruise Bay
Coverage : Lat 01° 10' 90 N 01° 16' 90 N
 Long 103° 45' 50 E 103° 49' 54 E
Scale : 1: 10 000
Date Published : 26th September 2013
Size of Chart : 749.4 x 1105.7 mm
Descriptions : This new edition includes changes to depths from the latest surveys covering south and west of Pasir Panjang Terminal, north of Pulau Bukom, west of Pulau Sebarok, Shell SBM and South of Semakau spoil ground.

The existing chart of the same number published on 27th September 2012 will be superseded.

Chart Number : 4038
Title : Malaysia and Singapore
 Johor Strait, Western Part
Coverage : Lat 01° 10' 80 N 01° 28' 70 N
 Long 103° 28' 60 E 103° 40' 70 E
Scale : 1: 30 000
Date Published : 26th September 2013
Size of Chart : 750.6 x 1100.2 mm
Descriptions : This new edition includes changes to depths from the latest surveys covering Temasek Fairway, West Jurong Channel, Tuas Anchorages, Sudong Anchorage, west and south of Tuas View extension.

The existing chart of the same number published on 5th August 2010 will be superseded.

II NEW PUBLICATIONS

NEW EDITION SINGAPOREAN CHARTS TO BE PUBLISHED ON 19TH SEPTEMBER 2013

Chart Number : 202
Title : Singapore Strait
Coverage : Lat 00° 40' 00 N 01° 50' 00 N
 Long 103° 05' 34 E 104° 48' 89 E
Scale : 1: 200 000
Date Published : 19th September 2013
Size of Chart : 960.0 x 644.7 mm
Descriptions : This new edition includes changes to depths from the latest surveys covering Singapore waters, submarine cables, updated coastlines of Tuas View Extension, Jurong Island, Marina South and Pulau Tekong.

The existing chart of the same number published on 24th September 2009 will be superseded.

Chart Number : 500
Title : Malacca and Singapore Straits
 Pulau Pisang To Raffles Lighthouse
Coverage : Lat 01° 04' 05 N 01° 30' 50 N
 Long 103° 05' 80 E 103° 44' 61 E
Scale : 1: 75 000
Date Published : 19th September 2013
Size of Chart : 959.8 x 649.9 mm
Descriptions : This new edition includes changes to depths from the latest surveys covering Temasek and Sinki Fairways, Raffles Shoal, updated coastlines of Jurong Island and submarine cables.

The existing chart of the same number published on 7th October 2010 will be superseded.

II NEW PUBLICATIONS

SINGAPORE TIDE TABLES YEAR 2014 TO BE PUBLISHED ON 4TH SEPTEMBER 2013

Summary of Publication

This 263-page book contains Tidal Height and Tidal Stream Predictions covering stations in Singapore port waters and along the Malacca and Singapore Straits.

This publication consists of 5 segments.

1. **High and Low Water Predictions** at the following stations:
 - a) Tanjong Pagar
 - b) Sembawang

2. **Hourly Tidal Height Predictions** at the following stations:
 - a) * **Sultan Shoal**
 - b) Raffles Lighthouse
 - c) West Coast
 - d) Bukom
 - e) Tanjong Pagar
 - f) Tanah Merah
 - g) Tanjong Changi
 - h) Sembawang
 - i) Singapore Strait – Horsburgh Lighthouse

3. **Hourly Tidal Stream Predictions** at the following stations:
 - a) Main Strait – off Tuas View
 - b) * **Sinki Fairway – Banyan**
 - c) Jong Fairway – Sisters Buoy
 - d) Main Strait – off Gusong Boarding Ground (formerly Gusong Beacon)
 - e) Sentosa
 - f) East Buran
 - g) Main Strait – Eastern Petroleum A
 - h) Kuala Johor – off Malang Tiga

4. **Maximum and Slack Tidal Stream Predictions** at the following stations:
 - a) Malacca Strait – Off The Brothers Light
 - b) Singapore Strait – Selat Phillip
 - c) Singapore Strait – Karang Banteng (Buffalo Rock)
 - d) Singapore Strait – Horsburgh Lighthouse

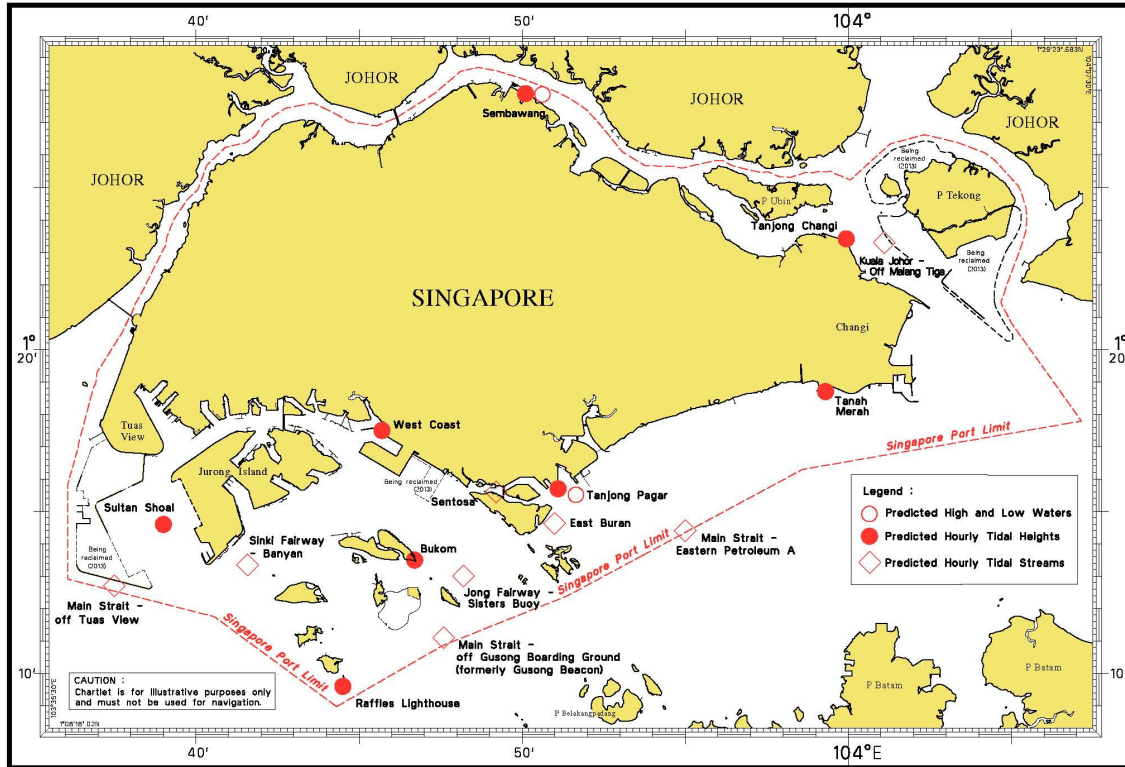
5. **Malacca Strait – High and Low Water Predictions** at the following stations:
 - a) Kedah Pier, Pulau Pinang
 - b) Port Dickson
 - c) Kuala Batu Pahat

* Denotes new Tidal stations.

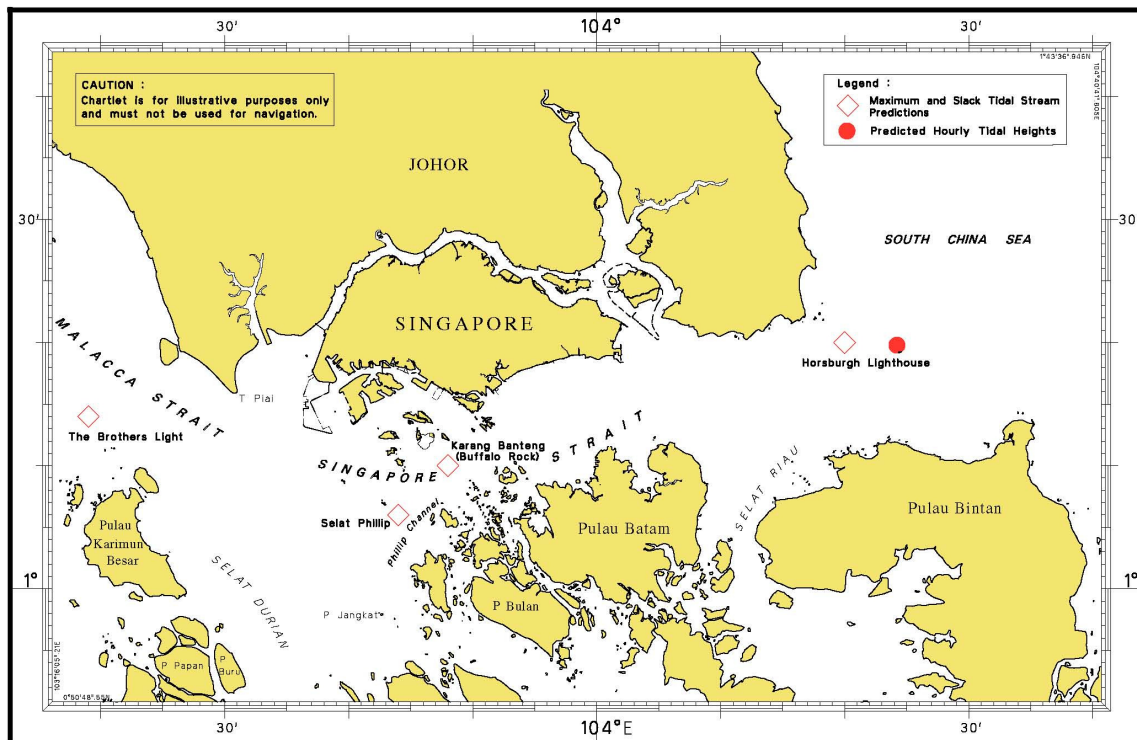
The locations of the above stations are shown in the chartlets below:

II NEW PUBLICATIONS

Tidal Prediction Stations within Singapore port waters



Tidal Prediction Stations in Malacca and Singapore Straits



II NEW PUBLICATIONS

Tidal Prediction Stations in Malacca Strait






This publication is available from the following Chart Agents:

1. Cornes Singapore Pte Ltd
2. DPM (Singapore) Pte Ltd
3. E.W. Liner Charts & Publications Pte Ltd
4. Kelvin Hughes (Singapore) Pte Ltd
5. Motion Smith

(Please refer Page 20 for details)

II
NOTICES TO MARINERS AND CHART CORRECTIONS

GSP1/SP1	8 Ed 16/05/13 Last NM 60/2013	(HD/HY/AA1908413)		*NM 74/2013
Insert	 Fl.Y.3s (sync) HS-TVE-06		1° 15·09'N	103° 38·24'E
	 Fl.Y.3s (sync) HS-TVE-07		1° 14·87'N	103° 38·24'E
Insert	dashed line, joining from:		1° 14·89'N	103° 37·52'E
	to:		1° 14·89'N	103° 38·30'E
	to:		1° 15·06'N	103° 38·30'E
	to:		1° 15·06'N	103° 37·52'E
Delete	dashed line, joining from:		1° 14·89'N	103° 37·52'E
	to:		1° 15·06'N	103° 37·52'E
Move	legend ' Works in progress (2013) ' from:		1° 14·98'N	103° 37·34'E
	to:		1° 14·99'N	103° 37·70'E
		(HD/HE025/91/2013)		*NM 75/2013
Move	 Fl.Y.4s NEA-LCK from:		1° 27·57'N	103° 43·59'E
	to:		1° 27·37'N	103° 43·52'E

II
TEMPORARY AND PRELIMINARY NOTICES

NIL

III NAVIGATIONAL INFORMATION

*(NM 76/2013) SINGAPORE PORT MARINE NOTICES

The following Port Marine Notices have been shortlisted, as they would be of particular interest to mariners.

These notices can be accessed directly from MPA website:
www.mpa.gov.sg/sites/port_and_shipping/circulars_and_notices/port_marine_notices.page

PMN No.	Subject
85/2013	Dredging works at Keppel FELS Shipyard off West Jurong Channel.
87/2013	Reclamation at Pasir Panjang Terminal and Pasir Panjang Wharves.
90/2013	Reclamation at Pulau Tekong.
91/2013	Soil investigation works off Tuas View.
93/2013	Dumping of excavated materials off Tuas View Extension.
94/2013	Mooring and unmooring of vessels at mooring buoys off Pulau Tekong reclamation area.
96/2013	Acoustic research at St. John Island.
99/2013	Subsea pipeline repair at Shell Bukom SBM.
100/2013	Construction of Solid Handling Pier and protection bund (Phase 2) at Ayer Chawan Basin, Jurong Island.
102/2013	Prohibition on vessels anchoring at the Eastern Anchorage.

*(NM 77/2013) SINGAPOREAN PRINT-ON-DEMAND (POD) CHARTS

Print-On-Demand (POD) Charts are the most up-to-date paper nautical charts printed for navigational use. These nautical charts are produced in accordance with the International Hydrographic Organisation (IHO) chart specifications. These official nautical charts are continually updated to the latest Notices to Mariners before they are printed and sold to users.

These POD Charts include 200, 201, 202, 500, 501, 502 and 503.

BENEFITS TO OUR CUSTOMERS

Convenience

Customers need not make numerous hand corrections to the nautical charts before use. In addition the updated POD Charts are more accurate and reliable than offset printed charts with hand corrections.

Clarity

Clarity in the presentation of updated information as compared to lithographic printed charts, where in some cases there are several overlapping corrections over existing information.

Coverage

The POD Charts cover the Malacca and Singapore Straits, from One Fathom Bank to Horsburgh Lighthouse.

III AMENDMENTS TO PUBLICATIONS

***(NM 78/2013) UPDATING OF PUBLICATION "SINGAPORE PORT INFORMATION 2012/2013"**

1. Page 104

DEPTHS OF NAVIGATIONAL CHANNELS AND FAIRWAYS

Amend the following:

LOCATIONS	DEPTHS (m)	REMARKS
West Keppel Fairway	16.8	-

Source: HD/HY Code C00110711

2. Page 164 – Item 15

WHARVES AND BERTHS

JURONG ISLAND (EXXONMOBIL ASIA PACIFIC PTE LTD)(1°16.8'N, 103°41.5'E)

Amend the following:

Berth	Length of Berth	Max LOA	Depth Alongside (Year Surveyed)	Controlling Depth In Approaches
1	110m	140m	10.0m (2013)	12.1m
2	198m	198m	12.7m (2013)	12.1m
3	244m	244m	12.2m (2013)	12.1m
4	305m	305m	15.5m (2013)	12.1m
5	305m	305m	15.2m (2013)	12.1m

Source: HD/HY Code E00100213 and E00100313

3. Page 164 – Item 18

JURONG ISLAND – SLNG TERMINAL (1°14.0'N, 103°40.2'E)

Amend the following:

Berth	Length of Berth	Depth Alongside (Year Surveyed)	Controlling Depth In Approaches
OSLN 1	420m	17.8m (2013)	-
OSLN 2	230m	11.8m (2013)	-
OSLN 3	400m	13.1m (2013)	-

Source: HD/HY Code D00102513 and D00102613

4. Page 169 – Item 38

JURONG ISLAND (SINGAPORE REFINING CO PTE LTD)(1°17.6'N, 103°43.0'E)

Amend the following:

Berth	Length of Berth	LOA of Vessel	Depth Alongside (Year Surveyed)	Controlling Depth In Approaches
6	140m	40m – 126m	11.0m (2013)	12.1m

Source: HD/HY Code H00101113

IV
REPRINT OF RADIO NAVIGATIONAL WARNINGS

The following Radio Navigational Warnings have been shortlisted, as they would be of particular interest to mariners.

TT106

NP 1 BUOY FL.R.4S AT POSITION LAT 01° 24.70'N LONG 103° 59.99'E WAS REPORTED ADRIFT.

TT112

GERITA BEACON FI(2)10S IN POSITION LAT 01°13.417'N LONG 103°43.483'E IS REPORTED DAMAGED. ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION.

TT173

VESSELS IN EAST JOHOR STRAIT ARE ADVISED TO NAVIGATE WITH CAUTION WHEN NEAR THE PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREAS EXIST. VESSELS ARE ADVISED TO KEEP LOOKOUT FOR TUGS AND BARGES NAVIGATING NEAR THE PROJECT AREAS AND PASSENGER FERRIES CROSSING BETWEEN CHANGI AND PULAU TEKONG AND VICINITY OF PASIR GUDANG.

TT961

VESSELS INTENDING TO CROSS THE TRAFFIC SEPARATION SCHEME(TSS) OR PRECAUTIONARY AREAS IN THE SINGAPORE STRAIT DURING THE HOURS OF DARKNESS ARE RECOMMENDED TO DISPLAY THE NIGHT SIGNALS CONSISTING OF 3 ALL-ROUND GREEN LIGHTS IN A VERTICAL LINE WITH EFFECT FROM 1ST JULY 2011 AT 010000UTC (0800SGT) AS DETAILED IN MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 02 OF 2011 DATED 30 MAY 2011.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 31st July 2013)

V
**EXTRACT OF ADMIRALTY NOTICES TO MARINERS
 FOR DUAL BADGED CHARTS**

These notices can also be accessed directly from UKHO Website:

www.ukho.gov.uk/ProductsandServices/MaritimeSafety/Pages/NMPublic.aspx

3013 SINGAPORE – Helios Terminal Northwards and Eastwards, Pulau Salu West-north-westwards, Terumbu Raya North-westwards, Marina southwards and Kuala Johor – Buoyage. Light-beacon. Mooring buoys. Wreck.

Light List Vol. F, 2012/13, 1685.78

Source: Maritime and Port Authority of Singapore

Note: Charts 4031, 4032, 4039 and 4040 Automatic Identification System, AIS, remain unchanged.

Chart 4030 [previous update 2007/13] WGS84 DATUM

Delete	 <i>Fl(2)Y.6s Helios 2</i>	1° 13'·980N., 103° 40'·380E.
	 <i>Fl(2)Y.8s Helios 3</i>	1° 13'·664N., 103° 40'·529E.

Chart 4031 [previous update 2811/13] WGS84 DATUM




Insert	 <i>Fl(2)10s Banyan</i>	1° 13'·330N., 103° 41'·593E.
Amend	light-beacon to, Fl(2)10s11m5M Banyan (collapsed)	1° 13'·345N., 103° 41'·583E.
Delete	 <i>Fl(2)Y.6s Helios 2</i>	1° 13'·980N., 103° 40'·380E.
	 <i>Fl(2)Y.8s Helios 3</i>	1° 13'·664N., 103° 40'·529E.

Chart 4032 [previous update 2811/13] WGS84 DATUM



Insert	 <i>Fl(2)10s Banyan</i>	1° 13'·330N., 103° 41'·593E.
		1° 13'·005N., 103° 44'·851E.
Amend	light-beacon to, Fl(2)10s11m5M Banyan (collapsed)	1° 13'·345N., 103° 41'·583E.

Chart 4036 [previous update New Edition 25/04/2013] WGS84 DATUM

Insert		1° 13'·005N., 103° 44'·851E.
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Chart 4037 [previous update New Edition 25/04/2013] WGS84 DATUM

Insert	 <i>Wk</i>	1° 15'·867N., 103° 51'·779E.
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Chart 4038 [previous update 2448/13] WGS84 DATUM

Delete	 <i>Fl(2)Y.6s Helios 2</i>	1° 13'·98N., 103° 40'·38E.
	 <i>Fl(2)Y.8s Helios 3</i>	1° 13'·66N., 103° 40'·53E.

Chart 4039 [previous update 1552/13] WGS84 DATUM

Insert	 <i>Fl(2)10s Banyan</i>	1° 13'·33N., 103° 41'·62E.
Amend	light-beacon to, Fl(2)10s11m5M Banyan (collapsed)	1° 13'·35N., 103° 41'·58E.
Delete	 <i>Fl(2)Y.8s Helios 3</i>	1° 13'·66N., 103° 40'·53E.

V
**EXTRACT OF ADMIRALTY NOTICES TO MARINERS
 FOR DUAL BADGED CHARTS**

3013 SINGAPORE – Helios Terminal Northwards and Eastwards, Pulau Salu West-north-westwards, Terumbu Raya North-westwards, Marina southwards and Kuala Johor – Buoyage. Light-beacon. Mooring buoys. Wreck. (continued)

Chart 4040 [*previous update 2448/13*] WGS84 DATUM





Insert	 Fl(2)10s Banyan  Wk	1° 13'·33N., 103° 41'·62E. 1° 15'·87N., 103° 51'·78E.
Amend	light-beacon to, Fl(2)10s11m5M Banyan (collapsed)	1° 13'·35N., 103° 41'·58E.
Delete	 Fl(2)Y.6s Helios 2  Fl(2)Y.8s Helios 3	1° 13'·98N., 103° 40'·38E. 1° 13'·66N., 103° 40'·53E.

Chart 4041 [*previous update New Edition 09/05/2013*] WGS84 DATUM

Insert	 Wk	1° 15'·87N., 103° 51'·78E.
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Chart 4043 [*previous update 2007/13*] WGS84 DATUM

Insert	 Fl.Y.4s TK-MB3 (sync)  Fl.Y.4s TK-MB4 (sync)	1° 22'·15N., 104° 02'·52E. 1° 22'·27N., 104° 02'·38E.
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Chart 4044 [*previous update 2007/13*] WGS84 DATUM

Insert	 Fl.Y.4s TK-MB3 (sync)  Fl.Y.4s TK-MB4 (sync)	1° 22'·15N., 104° 02'·52E. 1° 22'·27N., 104° 02'·38E.
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Updated to Admiralty Notices to Mariners Edition No. 30 of 2013 dated 25th July 2013.

MPA ENC DISTRIBUTORS

ENC DISTRIBUTOR	ADDRESS	TELEPHONE/FAX NO./EMAIL/WEBSITE
<p>ChartWorld GmbH</p> <p>ChartWorld Asia Pacific Pte Ltd.</p>	<p>Atlantic Haus, Zirkusweg 1 D-20359 Hamburg Germany</p> <p>Frontech Centre 07-01, 15 Jalan Kilang Barat, Singapore 159357</p>	<p>Tel. No.: +49 40 853 58 6942 Fax No.: +49 40 853 58 6949 Email: sales@chartworld.com</p> <p>Tel No.: +65 6513 3500</p> <p>Website : http://www.chartworld.com http://www.ecdis-as-a-service.com</p>
DPM (Singapore) Pte Ltd	2 Boon Leat Terrace, #05-02/03 Harbourside 2, Singapore 119844	<p>Tel. No.: +65 6270 4060 Fax No.: +65 6276 3858 Email: sales@dpmsingapore.com.sg Website:http://www.dpmsingapore.com.sg</p>
<p>Maritime Information Systems (MARIS)</p> <p>Maritime Information Systems AS (MARIS)</p>	<p>52, Telok Blangah Road #01-06, Telok Blangah House, Singapore 058809</p> <p>Danholmen 25, 3128 Notteroy, Norway</p>	<p>Tel. No.: +65 6276 1472 Fax No.: +65 6276 1473 Email: : support@maris.sg Website: http://www.maris.no</p> <p>Tel. No.: +47 33 30 42 50 Fax No.: +47 33 30 42 51 Email: : sales@maris.no Website: http://www.maris.no</p>
Motion Smith	15 Jalan Kilang Barat #08-01/05 Frontech Centre, Singapore 159357	<p>Tel. No.: +65 6220 5098 Fax No.: +65 6225 4902 Email: sales@motsmith.com Website: http://www.motsmith.com</p>
Transas Marine Pacific Pte Ltd	Cyber Centre 16/18 Jalan Kilang Barat Off Jalan Bukit Merah Singapore 159358	<p>Tel. No.: +65 6271 0200 Fax No.: +65 6271 7300 Email: navigation.asia@transas.com Website: http://www.transas.com</p>
Japan Hydrographic Association (Electronic Charts Division)	Daiichi Sogo Bldg, 6F 1-6-6, Hanedakuko, Ota-ku Tokyo 144-0041, Japan	<p>Tel. No.: +81 3 5708 7093 Fax No.: +81 3 5708 7094 Email: shimizu-6ki@jha.jp Website: http://www.jha.or.jp/en/jha/</p>
Jeppesen Norway AS	P.O Box 212 , N-4371 Egersund, Norway	<p>Tel No.: +47 51 46 4700 Fax No: +47 51 46 4701 Email: license.marine@jeppesen.com Website : http://www.jeppesen.com/marine</p>
PRIMAR STAVANGER	Lervigsveien 36, P.O Box 60, N-4001 Stavanger, Norway	<p>Tel. No.: +47 51 93 9500 Fax No.: +47 51 93 9501 Email: sales@ecc.no Website : http://www.primar.no</p>
The United Kingdom Hydrographic Office	Admiralty Way, Taunton, Somerset, TA1 2DN United Kingdom	<p>Tel. No.: +44 1823 33 7900 Fax No.: +44 1823 28 4077 Emails: ENC.SalesReports@ukho.gov.uk Website: http://www.ukho.gov.uk</p>

Chart Agents for the Maritime and Port Authority of Singapore
Nautical Charts and Publications

Please approach any of the appointed chart agents to purchase the Singapore Nautical Charts and Publications.

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DPM (Singapore) Pte Ltd	2 Boon Leat Terrace, #05-02/03 Harbourside 2, Singapore 119844	Tel. No.: +65 6270 4060 Fax No.: +65 6276 3858 Email: sales@dpmsingapore.com.sg Website: http://www.dpmsingapore.com.sg
E.W. Liner Charts & Publications Pte Ltd	102F, Pasir Panjang Road, #08-01, Citilink Warehouse Complex, Singapore 118530	Tel. No.: +65 6323 0773 Fax No.: +65 6323 0775 Email: ewliner@singnet.com.sg Website: http://www.ewliner.com
Kelvin Hughes (Singapore) Pte Ltd	896 Dunearn Road #03-05 Sime Darby Centre Singapore 589472	Tel. No.: +65 6545 9880 Fax No.: +65 6545 8892 Email: leslie.khoo@kelvinhughes.com.sg Website: http://www.kelvinhughes.com
Motion Smith	15 Jalan Kilang Barat #08-01/05 Frontech Centre Singapore 159357	Tel. No.: +65 6220 5098 (After office hours:+65 8163 9993) Fax No.: +65 6225 4902 Email: sales@motsmith.com Website: http://www.motsmith.com

HYDROGRAPHIC NOTE - Instructions

1. Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, when new or suspected dangers to navigation are discovered, changes are observed in aids to navigation or where corrections to nautical publications may be necessary. Reports, which cannot be confirmed or are lacking in certain details should not be withheld.
2. Any ambiguities of time, positioning and depth should be stressed and any firm expectation of being able to check the information provided on a following voyage should be mentioned.
3. Mariners using satellite position fixing systems, eg. GPS, should provide details of equipment and datum used (where applicable). Where bearings (true or magnetic) are taken visually or by radar to fix a position, it should include more than two objects in order to provide a check on its accuracy. A position may also be defined by bearing and distance from a conspicuous object eg. beacon, lighthouse etc.
4. The note should include a tracing or a digital image of the chart used and the details should be clearly marked.
5. Echo sounders frequently register greater depths than the advertised maximum depth for the equipment, eg. a trace appearing at 50 metres may be in fact be 550 metres or even 1050 metres for equipment whose maximum depth is 500 metres. Erroneous depths caused by 2nd transmission error can usually be recognised by the following:
 - (a) the tracing being weaker than normal for the depth registered,
 - (b) the trace appearing to pass through the transmission line,
 - (c) the feathery nature of the trace.
6. Upon receipt of a hydrographic note, a Notice to Mariners may be issued. The sender's vessel or name is quoted as the source unless the same information is also received in foreign Notices to Mariners.
7. Reports of shoals, uncharted dangers and defects in aids to navigation may also be made to the appropriate Singapore Port Operations Control Centre on VHF Channels 10, 12, 14, 68 or 73.

HYDROGRAPHIC NOTE

To:

Chief Hydrographer
Maritime and Port Authority of Singapore
460 Alexandra Road PSA Building #20-00
Singapore 119963

Tel : (65) 6375 1227
Fax : (65) 6278 7646
Email : hydrographic@mpa.gov.sg

Sender's Contact Details :

Date :

Name of Vessel :

Address of Sender :

Tel : Fax :

Email :

Nature of Observation :

General Location :

Subject :

Position : Lat. Long.

Charts Used :

Date & Time of Observation :

Details :

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Attachment :

Equipment Used :

Type of Position Fixing : GPS / DGPS Others :

Type of Echo Sounder :

Name and Signature :

Ship's/Company's Stamp :