



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:
[http://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)

This service is offered free of charge.

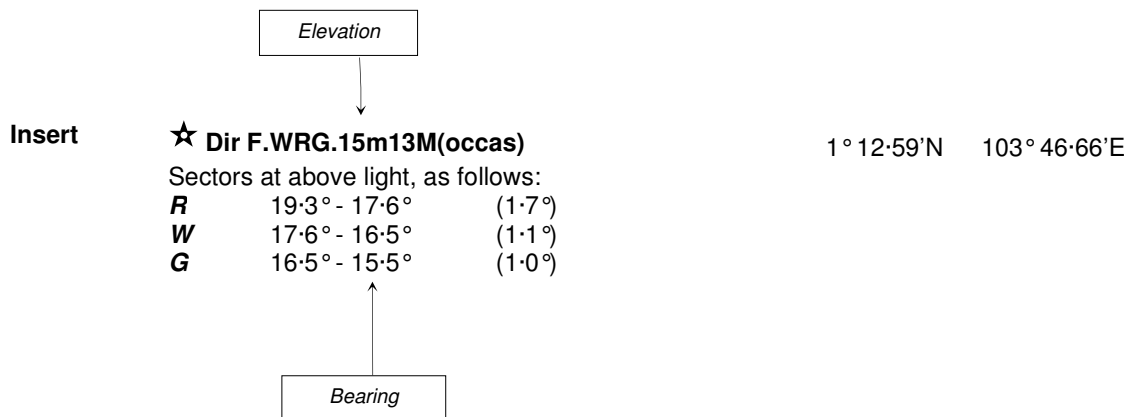
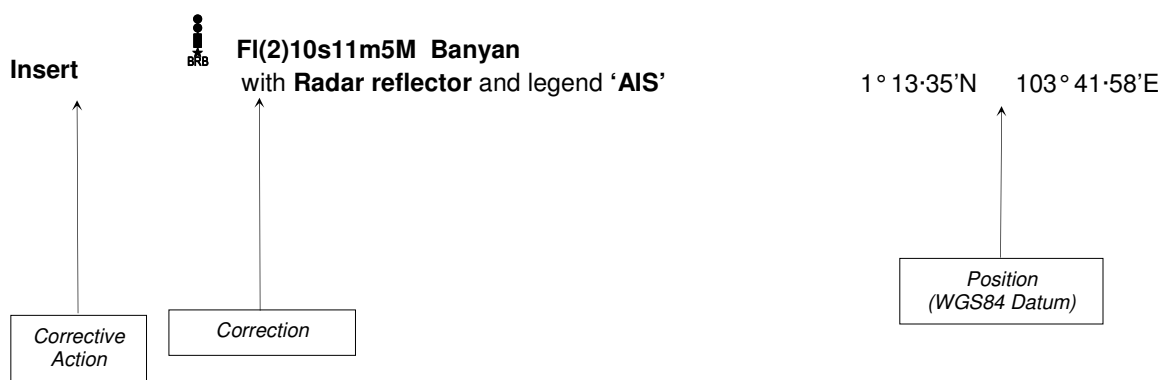
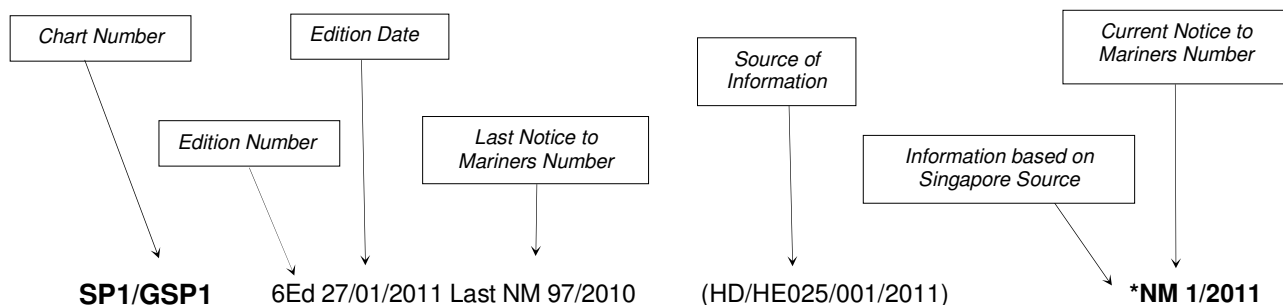
The Chief Hydrographer of
Maritime and Port Authority of Singapore
wishes all users of Singaporean and Dual Badged Charts

A HAPPY VESAK DAY

Hydrographic Department
Maritime and Port Authority of Singapore
460 Alexandra Road
PSA Building #20-00
Singapore 119963
Tel: (65) 6375 1227
Fax: (65) 6278 7646

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 2T/2011**).
 - P** indicates a Preliminary Notice (eg. ***NM 3P/2011**).
- 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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| Index of Dual Badged Charts | - | 82 |
| Index of Singapore Electronic Navigational Chart (ENC) | - | 83 |
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*Denotes information are based on Singaporean source.

I
INDEX OF CHARTS AND PUBLICATIONS

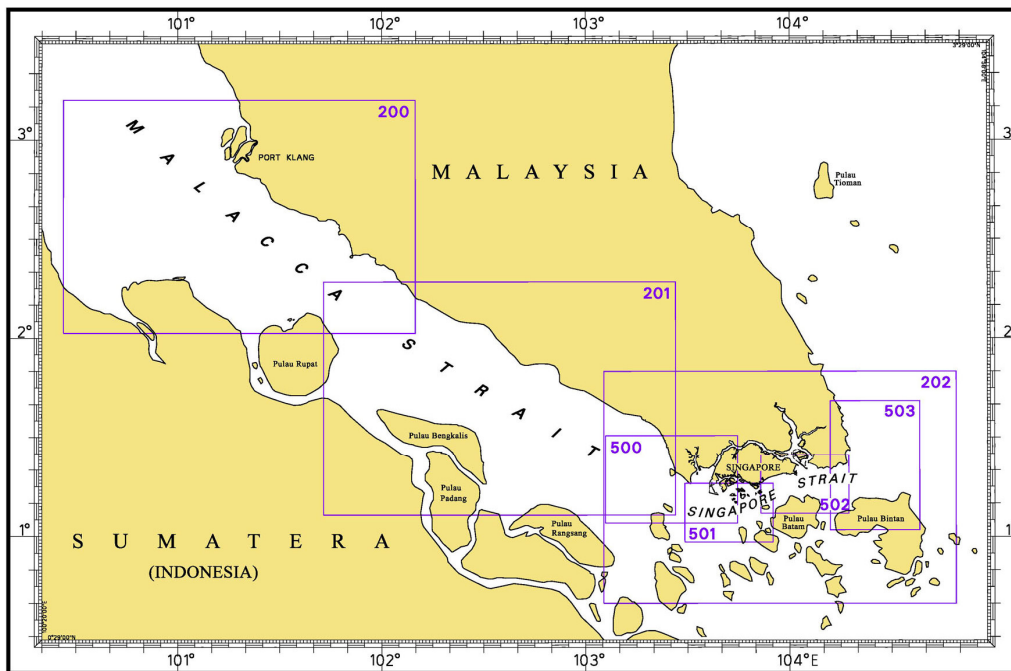
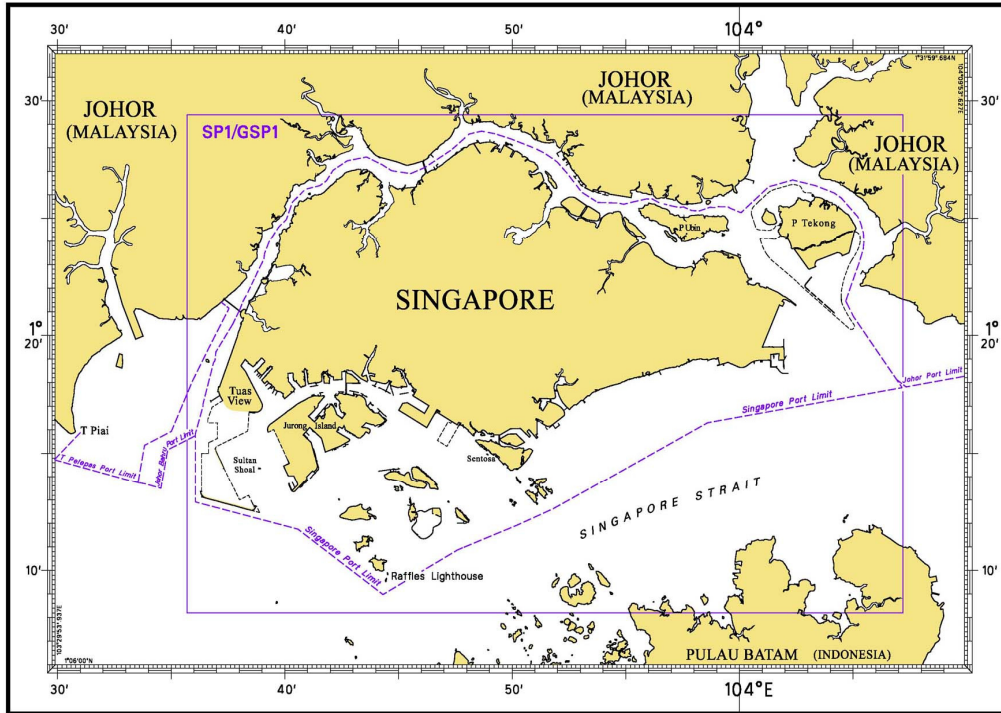
INDEX OF NOTICES

| NOTICE NO. | DESCRIPTION | PAGE NO. |
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* Denotes information are based on Singaporean source.

I INDEX OF CHARTS AND PUBLICATIONS

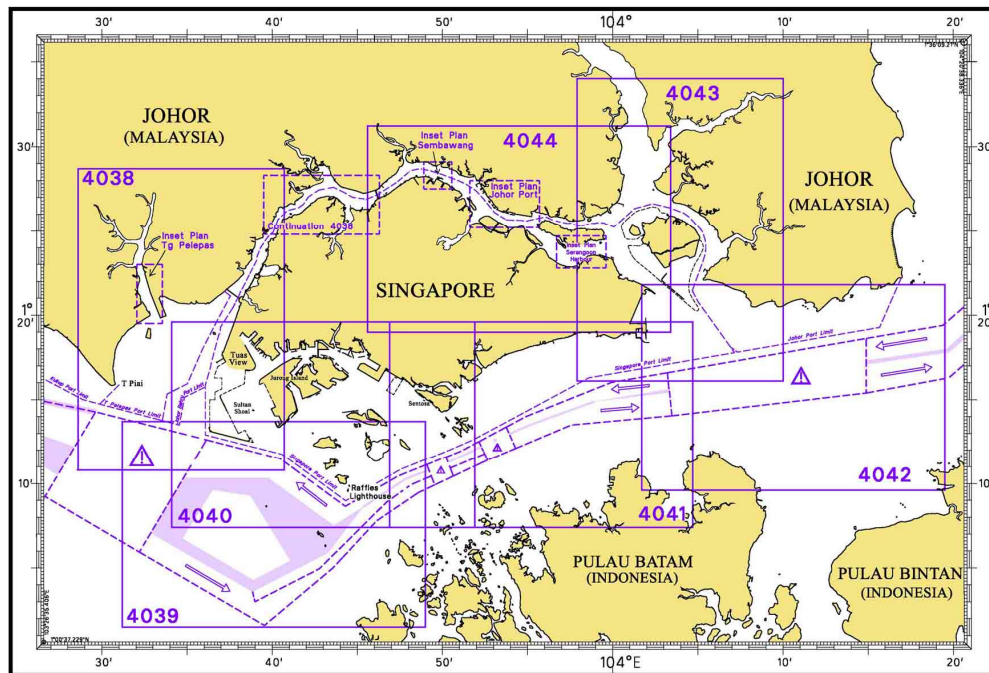
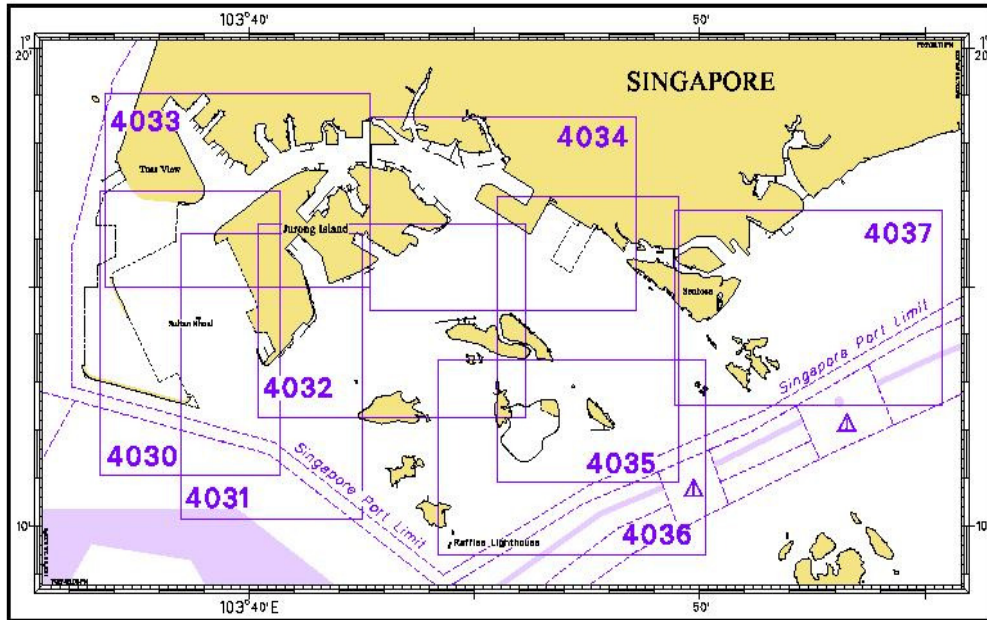
INDEX OF SINGAPOREAN CHARTS



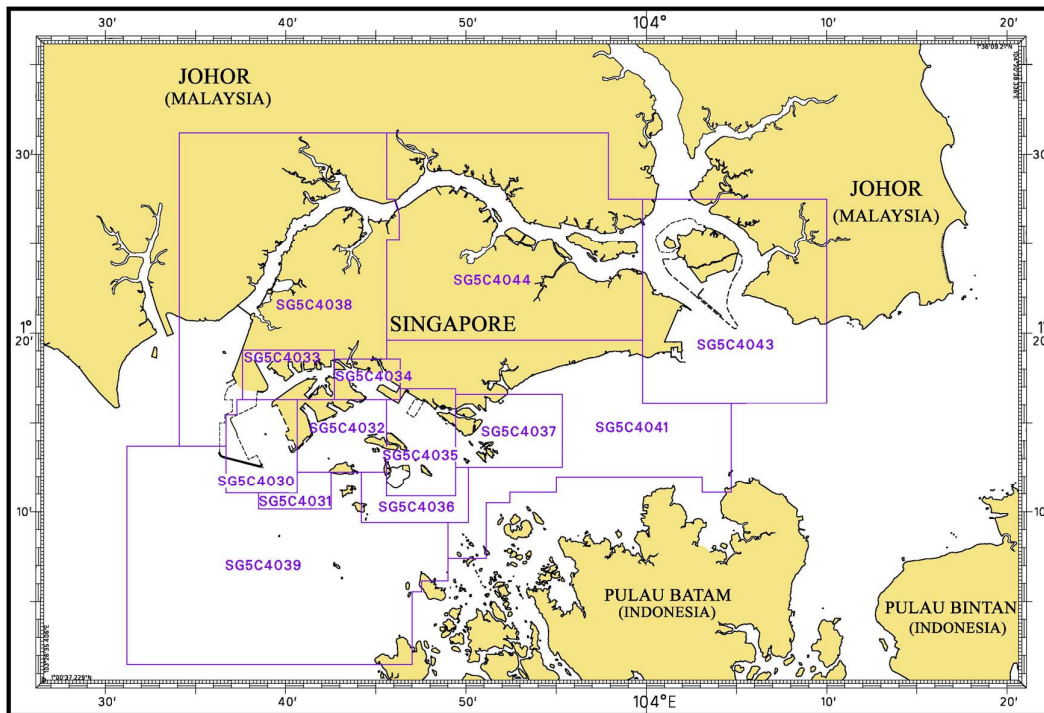
Notes:
 Updated SINGAPOREAN Charts are available through our Print-On-Demand (POD) Chart Service. For more information, refer to Section III – Navigational Information and these charts can be purchased from our authorised Chart Agents:
 DPM (Singapore) Pte Ltd, E.W. Liner Charts & Publications Pte Ltd and Motion Smith.

I
INDEX OF CHARTS AND PUBLICATIONS

INDEX OF DUAL BADGED CHARTS



I
INDEX OF CHARTS AND PUBLICATIONS
INDEX OF SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC)



INDEX OF SINGAPORE ENC

| ENC Name | ENC Title | Latitude | Longitude |
|----------|---|----------------------------|--------------------------------|
| SG5C4030 | West Jurong Anchorages and Temasek Fairway | 1° 11·050'N 1° 16·300'N | 103° 36·700'E 103° 40·640'E |
| SG5C4031 | Western Approaches to Jurong Island | 1° 10·150'N 1° 12·250'N | 103° 38·500'E 103° 42·530'E |
| SG5C4032 | Sinki Fairway | 1° 12·250'N 1° 16·300'N | 103° 40·640'E 103° 45·580'E |
| SG5C4033 | Tuas Bay, West Jurong Channel and Pesek Basin | 1° 16·300'N 1° 19·050'N | 103° 37·600'E 103° 42·700'E |
| SG5C4034 | East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway | 1° 16·300'N 1° 18·550'N | 103° 42·700'E 103° 46·356'E |
| SG5C4035 | Western Anchorages, Jong Fairway and Cruise Bay | 1° 10·900'N 1° 16·900'N | 103° 45·580'E 103° 49·425'E |
| SG5C4036 | Raffles Lighthouse to The Sisters | 1° 09·400'N 1° 12·520'N | 103° 44·200'E 103° 50·130'E |
| SG5C4037 | Keppel Harbour, Tanjong Pagar Terminal and Approaches | 1° 12·520'N 1° 16·590'N | 103° 49·425'E 103° 55·340'E |
| SG5C4038 | Johor Strait – Western Part | 1° 13·700'N 1° 31·200'N | 103° 34·100'E 103° 46·300'E |
| SG5C4039 | Western Approaches to Main Strait | 1° 01·500'N 1° 13·700'N | 103° 31·200'E 103° 49·000'E |
| SG5C4041 | Pulau Sebarok to Changi | 1° 07·400'N 1° 19·600'N | 103° 45·600'E 104° 04·700'E |
| SG5C4043 | Kuala Johor and Sungai Johor | 1° 16·100'N 1° 27·500'N | 103° 59·800'E 104° 10·000'E |
| SG5C4044 | Johor Strait – Eastern Part | 1° 19·600'N 1° 31·200'N | 103° 45·600'E 103° 59·800'E |

II NEW PUBLICATIONS

NEW EDITION DUAL BADGED CHARTS PUBLISHED ON 14TH APRIL 2011

| | | |
|-----------------------|---|---|
| Chart Number | : | 4034 |
| Title | : | Port of Singapore – East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway |
| Coverage | : | Lat 01°14·50'N 01°18·55'N Long 103°42·70'E 103°48·60'E |
| Scale | : | 1: 10 000 |
| Date Published | : | 14 th April 2011 |
| Size of Chart | : | 1094·3 X 746·3 mm |
| Remarks | : | This new edition includes updated surveys covering these areas : <ul style="list-style-type: none"> • Pasir Panjang Basin • East Jurong Channel • Shell Tanker Jetty • Oiltanking Jetties |

The existing chart of the same number published on 30th September 2010 is superseded.

| | | |
|-----------------------|---|---|
| Chart Number | : | 4035 |
| Title | : | Port of Singapore – Western Anchorage, 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 | : | 14 th April 2011 |
| Size of Chart | : | 749·4 X 1105·7 mm |
| Remarks | : | This new edition includes updated surveys covering these areas : <ul style="list-style-type: none"> • East Jurong Channel • Jong Fairway • Vicinity of collapsed Gusong Beacon • Portion of West Keppel Fairway |

The existing chart of the same number published on 30th September 2010 is superseded.

II NEW PUBLICATIONS

NEW EDITION DUAL BADGED CHARTS PUBLISHED ON 28TH APRIL 2011

| | | |
|-----------------------|---|--|
| Chart Number | : | 4036 |
| Title | : | Port of Singapore – Raffles Lighthouse To The Sisters |
| Coverage | : | Lat 01°09·40'N 01°13·47'N Long 103°44·20'E 103°50·13'E |
| Scale | : | 1: 10 000 |
| Date Published | : | 28 th April 2011 |
| Size of Chart | : | 1100·0 X 750·1 mm |
| Remarks | : | This new edition includes updated surveys covering these areas : <ul style="list-style-type: none"> • Jong Fairway • West of Pulau Sebarok • Around Semakau • Shell SBM • Area between Terumbu Raya and Beting Bemban Besar |

The existing chart of the same number published on 21st May 2009 is superseded.

| | | |
|-----------------------|---|--|
| Chart Number | : | 4037 |
| Title | : | Port of Singapore – Keppel Harbour – Tanjong Pagar Terminal And Approaches |
| Coverage | : | Lat 01°12·52'N 01°16·59'N Long 103°49·40'E 103°55·34'E |
| Scale | : | 1: 10 000 |
| Date Published | : | 28 th April 2011 |
| Size of Chart | : | 1101·8 X 750·1 mm |
| Remarks | : | This new edition includes updated surveys covering these areas : <ul style="list-style-type: none"> • East Keppel Fairway • Eastern Anchorages • Buran Channel • Sisters Fairway • Keppel Harbour • Selat Sengkir • West of Pulau Sakijang Bendera • South of Marina South |

The existing chart of the same number published on 21st May 2009 is superseded.

II
NOTICES TO MARINERS AND CHART CORRECTIONS

| | | | |
|-----------------|---------------------------------------|-------------------------------|-------------------------|
| SP1/GSP1 | 6 Ed 27/1/11 Last NM 33/2011 | (Indonesian NM No. 7/67/2011) | NM 39/2011 |
| Amend | N Nipa light range 14M for 13M | | 1° 10·13'N 103° 39·77'E |

| | | | |
|--------------|---------------------------------------|-------------------------------|-------------------------|
| 202 | 6 Ed 24/9/09 Last NM 32/2011 | (Indonesian NM No. 7/67/2011) | NM 39/2011 |
| Amend | N Nipa light range 14M for 13M | | 1° 10·13'N 103° 39·77'E |

| | | | |
|--------------|---------------------------------------|-------------------------------|-------------------------|
| 500 | 6 Ed 7/10/10 Last NM 31/2011 | (Indonesian NM No. 7/67/2011) | NM 39/2011 |
| Amend | N Nipa light range 14M for 13M | | 1° 10·13'N 103° 39·77'E |

| | | | |
|--------------|---------------------------------------|-------------------------------|-------------------------|
| 501 | 5 Ed 24/9/09 Last NM 32/2011 | (Indonesian NM No. 7/67/2011) | NM 39/2011 |
| Amend | N Nipa light range 14M for 13M | | 1° 10·13'N 103° 39·77'E |

II
TEMPORARY AND PRELIMINARY NOTICES

(NM 40T/2011) SUBMARINE CABLE REPAIR WORKS – SINGAPORE STRAIT AND SOUTH CHINA SEA

Remark : Repair of submarine cable, C2C Segment 6 – cable break repair and repeater replacement.

Date : With effect from 1st to 15th May 2011.

1. Cable repairs are in progress along the submarine cable route bounded by the following positions (WGS84).

Submarine cable route located off Singapore Strait.

1° 14·34'N 104° 08·58'E

1° 14·28'N 104° 09·12'E

Submarine cable route located at South China Sea.

1° 23·88'N 104° 30·00'E

1° 24·65'N 104° 31·17'E

2. Charts affected : 202, 502, 503 and 4042

3. Mariners are advised

- a) to navigate with caution.
- b) not to anchor or trawl in the vicinity of the cable route.
- c) to give a wide berth with a minimum safety radius of 100 metres from the work area.

Source : HD/HY/DB67/3/2011.

III NAVIGATIONAL INFORMATION

*(NM 41/2011) PORT MARINE NOTICES

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

These notices can be accessed directly from MPA website:

http://www.mpa.gov.sg/sites/port_and_shipping/circulars_and_notices/port_marine_notices.page

| PMN No. | Subject |
|----------------|--|
| 34/2011 | Dredging works off Pasir Panjang Terminal and Cyrene Reefs. |
| 36/2011 | Installation of silt barricade off Pasir Panjang Ferry Terminal. |
| 39/2011 | Dredging works at East Keppel Fairway. |
| 41/2011 | Construction of wharf at Tuas View. |
| 42/2011 | Reclamation work at Tuas View Extension. |
| 43/2011 | Reclamation at Pasir Panjang Terminal and Pasir Panjang Wharves. |
| 44/2011 | Construction of Boardwalk off Labrador Park. |
| 46/2011 | Underwater drilling and blasting works at Pasir Panjang Fairway. |
| 49/2011 | Dredging and dumping at Pasir Panjang Terminal Project. |
| 50/2011 | Dredging works at East Keppel Fairway. |

*(NM 42/2011) 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) charting 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 SP1/GSP1, 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 43/2011) UPDATING OF PUBLICATION "SINGAPORE PORT INFORMATION 2010/2011"**

1. Page 142

WHARVES AND BERTHS

SEMBAWANG WHARVES (PSA SINGAPORE TERMINALS) (1°27.7'N, 103°50.1'E)

Insert the following:

| Berth | Depth Alongside (Year Surveyed) | |
|-----------|------------------------------------|---------------------|
| | Delete | Insert |
| S1 | 11.6m (2010) | 11.6m (2011) |
| S2 | 10.7m (2010) | 10.4m (2011) |
| S3 | 9.1m (2010) | 9.1m (2011) |
| S4 | 9.0m (2010) | 9.0m (2011) |
| S5 | 8.6m (2010) | 8.6m (2011) |
| S6 | 10.6m (2010) | 10.5m (2011) |
| S7 | 11.5m (2010) | 11.4m (2011) |

Source:HD/HY/M00101911

2. Page 147

WHARVES AND BERTHS

TANJONG PENJURU (CHEVRON SINGAPORE PTE LTD) (1°17.7'N, 103°44.3'E)

Insert the following:

| Berth | Depth Alongside (Year Surveyed) | |
|----------|------------------------------------|---------------------|
| | Delete | Insert |
| 2 | 14.5m (2007) | 14.3m (2011) |
| 4 | 14.0m (1996) | 13.3m (2011) |

Source:HD/HY/H00100411

3. Page 152

WHARVES AND BERTHS

PULAU BUKOM (SHELL REFINERY) (1°14.0'N, 103°46.1'E)

Insert the following:

| Single Buoy Mooring | Radius of Swinging Circle | Least Depth (Year Surveyed) | | Controlling Depth In Approaches |
|------------------------|------------------------------|--------------------------------|---------------------|------------------------------------|
| | | Delete | Insert | |
| Shell SBM | 457m | 24.6m (2009) | 24.6m (2010) | 22.8m |

Source: Master Berth List (dated 6.4.2011)

IV
REPRINT OF RADIO NAVIGATIONAL WARNINGS

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.

TT619

DREDGER QUEEN OF PENTA OCEAN IS CONDUCTING DREDGING OPERATIONS IN COORDINATES:
01° 14·890' N 103° 58·120' E
01° 16·210' N 104° 01·630' E
01° 16·090' N 104° 01·670' E
01° 14·680' N 103° 58·200' E
VESSELS ARE TO KEEP CLEAR.

TT753

A SMALL WOODEN CARGO BOAT 10M IN LENGTH SUNK AT 01° 15·73'N 103° 32·10'E.

TT884

SALVAGE OPERATIONS UNDERWAY IN 01° 13·40'N 103° 57·75'E. ALL SHIPS ARE REQUESTED TO GIVE A WIDE BERTH OF AT LEAST 5 CABLES WHEN PASSING THE AREA.

TT908

DANGER TO NAVIGATION (AMENDED ON 071700Z)
2 TUGBOATS REPORTED SUNK IN POSITION 01° 19·63'N 104° 19·28'E. ALL VESSELS ARE TO NAVIGATE WITH CAUTION.

TT931

VESSELS NAVIGATING IN THE SINGAPORE STRAIT ARE REQUESTED NOT TO DIRECT THEIR HIGH INTENSITY SEARCHLIGHTS SKYWARD IN THE VICINITY OF CHANGI AIRPORT TO AVOID DISRUPTION TO AIR NAVIGATION.

TT947

BATU BERHANTI BUOY FL(2)5s IN 01° 11·76'N 103° 52·61'E IS REPORTED UNLIT.

SR154

AN UNIDENTIFIED VESSEL REPORTED SUNK SOUTH WEST OF HORSBURGH AT 01° 16·12'N 104° 21·50'E.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 24th April 2011)

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

These notices can be accessed directly from UKHO Website:

<http://www.ukho.gov.uk/ProductsandServices/MaritimeSafety/Pages/NMPublic.aspx>

**1538* SINGAPORE – Main Strait, Pulau Sebarok Southwards and Keppel Harbour, Tanjong Pagar Terminal -
 Depth. Obstructions. Dredged depths.**

Source: Maritime and Port Authority of Singapore

Note: This update will be included in a New Edition of Chart 4035 to be published 14 April 2011.

Chart 4036 [*previous update 5330/09*] WGS84 DATUM

| | | | |
|--------|--|-----|------------------------------|
| Insert | depth 16 | (a) | 1° 11'·116N., 103° 47'·619E. |
| Delete |  <i>Obstn</i> | | 1° 11'·122N., 103° 47'·650E. |
| | depth 16₅ , adjacent to: | (a) | above |

Chart 4037 [*previous update 959/11*] WGS84 DATUM

| | | |
|-------|---|------------------------------|
| Amend | dredged depth to, <i>13.4m (2010)</i> , centred on: | 1° 16'·273N., 103° 51'·106E. |
| | dredged depth to, <i>14.8m (2010)</i> , centred on: | 1° 16'·108N., 103° 51'·106E. |
| | dredged depth to, <i>13.6m (2010)</i> , centred on: | 1° 15'·703N., 103° 51'·000E. |
| | dredged depth to, <i>14.2m (2010)</i> , centred on: | 1° 15'·824N., 103° 50'·890E. |
| | | 1° 15'·710N., 103° 50'·790E. |

Chart 4039 [*previous update 573/11*] WGS84 DATUM

| | | | |
|--------|--|-----|----------------------------|
| Insert | depth 16 | (a) | 1° 11'·12N., 103° 47'·62E. |
| Delete |  <i>Obstn</i> | | 1° 11'·12N., 103° 47'·68E. |
| | depth 17₇ , adjacent to: | (a) | above |

Chart 4040 [*previous update 959/11*] WGS84 DATUM

| | | | |
|--------|--|-----|----------------------------|
| Insert | depth 16 | (a) | 1° 11'·12N., 103° 47'·62E. |
| Delete |  <i>Obstn</i> | | 1° 11'·12N., 103° 47'·68E. |
| | depth 18₇ , close S of: | (a) | above |

Chart 4041 [*previous update 959/11*] WGS84 DATUM

| | | | |
|--------|--|-----|----------------------------|
| Insert | depth 16 | (a) | 1° 11'·12N., 103° 47'·62E. |
| Delete |  <i>Obstn</i> | | 1° 11'·12N., 103° 47'·68E. |
| | depth 17₇ , adjacent to: | (a) | above |

V
REPRINT OF ADMIRALTY NOTICES TO MARINERS
FOR DUAL BADGED CHARTS

1657* SINGAPORE STRAIT – Sinki Fairway Southwards – Light-beacons.

Light List Vol.F, 2010/11, 1691.8

Source: Indonesian Notice 7/67/11

Chart 4031 [*previous update 959/11*] WGS84 DATUM

| | | | | |
|--------|---|-------------------------------|--|------------------------------|
| Delete |  | Q.12m11M with radar reflector | | 1° 10'·262N., 103° 39'·746E. |
|--------|---|-------------------------------|--|------------------------------|

Chart 4039 [*previous update 1538/11*] WGS84 DATUM





| | | | | |
|--------|---|---|-----|----------------------------|
| Insert |  | Q.12m14M N Nipa | (a) | 1° 10'·13N., 103° 39'·77E. |
| Delete |  | Q.12m11M N Nipa with radar reflector, close NNW of: | | (a) above |

Chart 4040 [*previous update 1538/11*] WGS84 DATUM

| | | | | |
|--------|---|---|-----|----------------------------|
| Insert |  | Q.12m14M N Nipa | (a) | 1° 10'·13N., 103° 39'·77E. |
| Delete |  | Q.12m11M N Nipa with radar reflector, close NNW of: | | (a) above |

Updated to Admiralty Notices to Mariners Edition No. 17 of 2011 dated 28th April 2011.

SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC) DISTRIBUTORS
Please approach any of the appointed distributors to purchase the Singapore ENC.

| DISTRIBUTOR | ADDRESS | TELEPHONE/FAX NO./EMAIL/WEBSITE |
|---|--|---|
| DPM (Singapore) Pte Ltd | 1 Maritime Square, #09-72 HarbourFront Centre, Singapore 099253 | Tel. No.: +65 6270 4060 Fax No.: +65 6276 3858 Email: sales@dpmsingapore.com.sg Website: http://www.dpmsingapore.com.sg |
| Motion Smith | 15 Jalan Kilang Barat #08-01/05 Frontech Centre Singapore 159357 | Tel. No.: +65 6220 5098 Fax No.: +65 6225 4902 Email: sales@motsmith.com Website: http://www.motsmith.com |
| Transas Marine Pacific Pte Ltd | Cyber Centre 16 & 18 Jalan Kilang Barat Singapore 159358 | Tel. No.: +65 6271 0200 Fax No.: +65 6271 7300 Email: dominic@transas.com.sg Website: http://www.transas.com.sg |
| Vector Services Pte Ltd | 15 West Coast Highway, #02-14A Pasir Panjang Building Singapore 117861 | Tel. No.: +65 6777 3602 Fax No.: +65 6777 9203 Email: kwchoy@pacific.net.sg |
| ChartWorld GmbH | Ruhrstrasse 90, D-22761 Hamburg, Germany | Tel. No.: +49 40 853 58 6942 Fax No.: +49 40 853 58 6949 Email: sales@chartworld.com Website : http://www.chartworld.com |
| Japan Hydrographic Association Electronic Charts Division | Daiichi Sogo Bldg, 6F 1-6-6, Hanedakuko, Ota-ku, Tokyo 144-0041, Japan | Tel. No.: +81 3 5708 7093 Fax No.: +81 3 5708 7094 Email: shimizu-6kj@jha.jp Website: http://www.jha.or.jp/en/jha/ |
| Jeppesen Norway A/S | P.O Box 212 , N-4371 Egersund, Norway | Tel No.: +47 514 64 700 Fax No: +47 514 64 701 Email: license.marine@jeppesen.com Website : http://www.jeppesen.com |
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| United Kingdom Hydrographic Office | Admiralty Way, Taunton, Somerset TA1 2DN United Kingdom | Tel. No.: +44 1823 337900 Fax No.: +44 1823 284077 Emails: ENC.SalesReports@ukho.gov.uk Website: http://www.ukho.gov.uk |

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Fax No. : (65) 6225 4902
E-mail : sales@motsmith.com
Internet Web Site : <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 :