



## SINGAPOREAN NOTICES TO MARINERS

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| SECTION | CONTENT   | Page |
|---------|---|------|
| I       | Index of Charts & Publications                                  | 1    |
| II      | New Publications  | 9    |
|         | Notices to Mariners and Chart Corrections                       | 12   |
|         | Temporary and Preliminary Notices                               | 13   |
| III     | Navigational Information  | 14   |
|         | Amendments to Publications                                      | 15   |
| IV      | Reprint of Radio Navigational Warnings                          | 16   |
| V       | Extract of Admiralty Notices to Mariners for Dual-Badged Charts | 17   |

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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.

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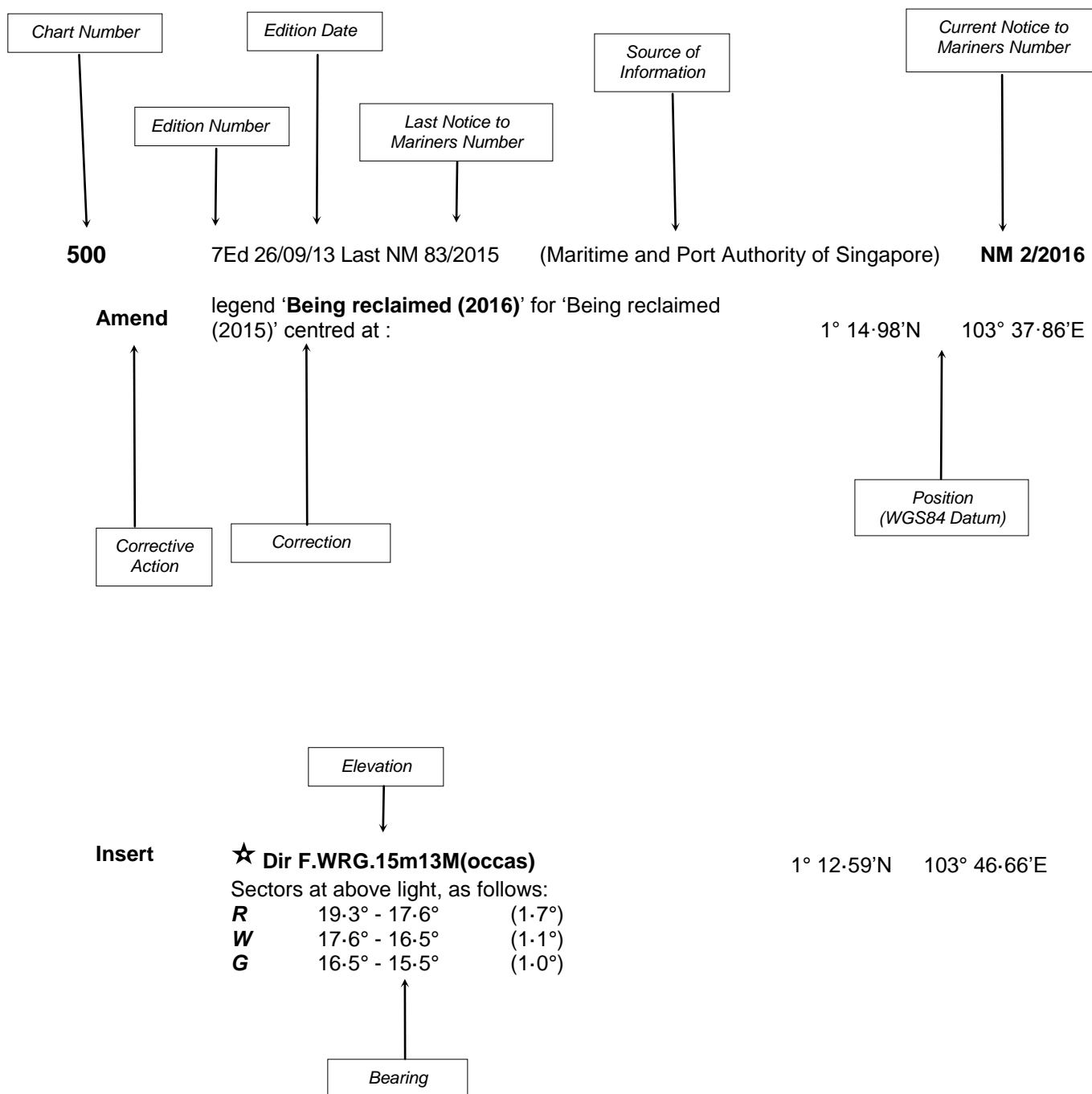
Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately on the discovery of new dangers or suspected dangers to navigation and of changes or defects in aids to navigation. See Hydrographic Note on back page.

The monthly Singaporean Notices to Mariners can be accessed directly from the MPA website:  
<http://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notices/singapore-notices-to-mariners-ntm>

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## EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



### Notes:

- Notice to Mariners number followed by:  
**T** indicates a Temporary Notice (eg. **NM 3T/2016**).  
**P** indicates a Preliminary Notice (eg. **NM 4P/2016**).
- Bearings are true reckoned clockwise from 000° to 359° ; those relating to lights are from seaward.
- Heights and elevations are above Mean High Water Springs.

I  
**INDEX OF CHARTS AND PUBLICATIONS**

**INDEX OF AFFECTED CHARTS**

| DESCRIPTION  | NOTICE NO. | PAGE NO. |
|--|------------|----------|
| Index of Singaporean Charts  | -          | 3, 4     |
| Index of Dual-Badged Charts  | -          | 5 to 7   |
| Index of Singapore Electronic Navigational Chart (ENC)   | -          | 8        |
| New Edition Dual Badged Chart  | -          | 9        |
| New Edition Singapore ENC  | -          | 10, 11   |
| Singaporean Chart 200  | 30, 31     | 12       |
| Singaporean Chart 202  | 32         | 12       |
| Singaporean Chart 502  | *33        | 12       |
| Singaporean Chart 503  | 32         | 12       |
| Temporary and Preliminary Notices  | -          | 13       |
| Singapore Port Marine Notices/Circulars  | *34        | 14       |
| Singaporean Print-On-Demand (POD) Charts   | *35        | 14       |
| Amendments to Publications   | *36        | 15       |
| Reprint of Radio Navigational Warnings   | -          | 16       |
| Extract of Admiralty Notices to Mariners for Dual-Badged Charts                                      | -          | 17       |
| Singapore Electronic Navigational Chart (ENC) Distributors   | -          | 18       |
| Chart Distributors for the Maritime and Port Authority of Singapore Nautical Charts and Publications | -          | 19       |

\*Source: Maritime and Port Authority of Singapore

I  
**INDEX OF CHARTS AND PUBLICATIONS**

**INDEX OF NOTICES**

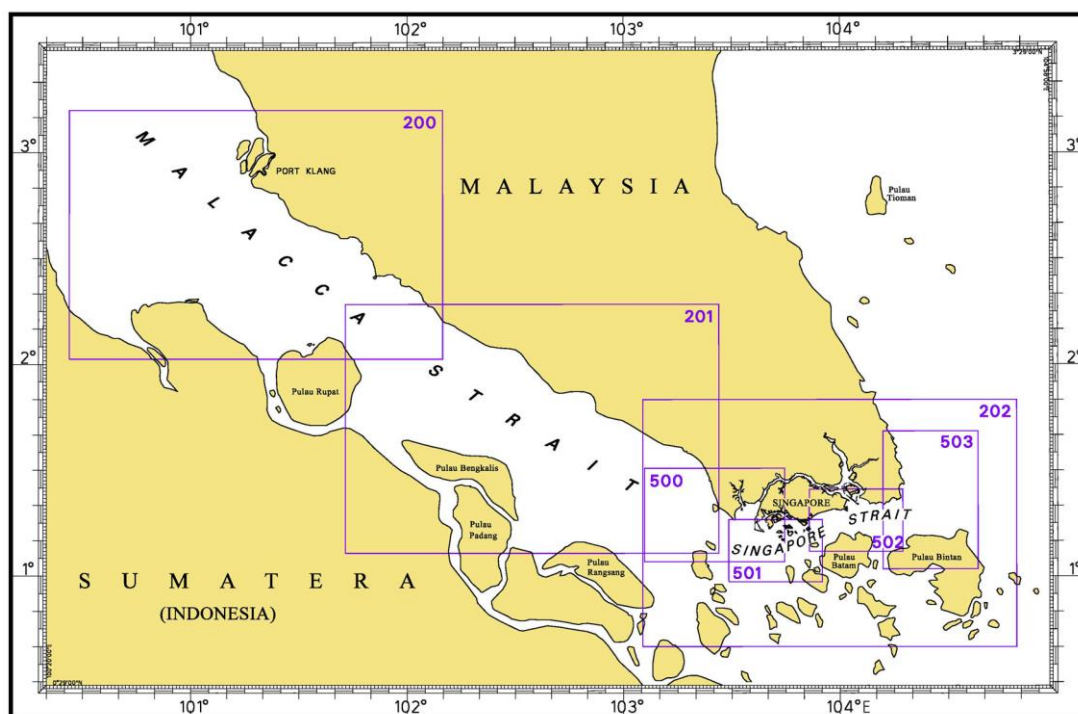
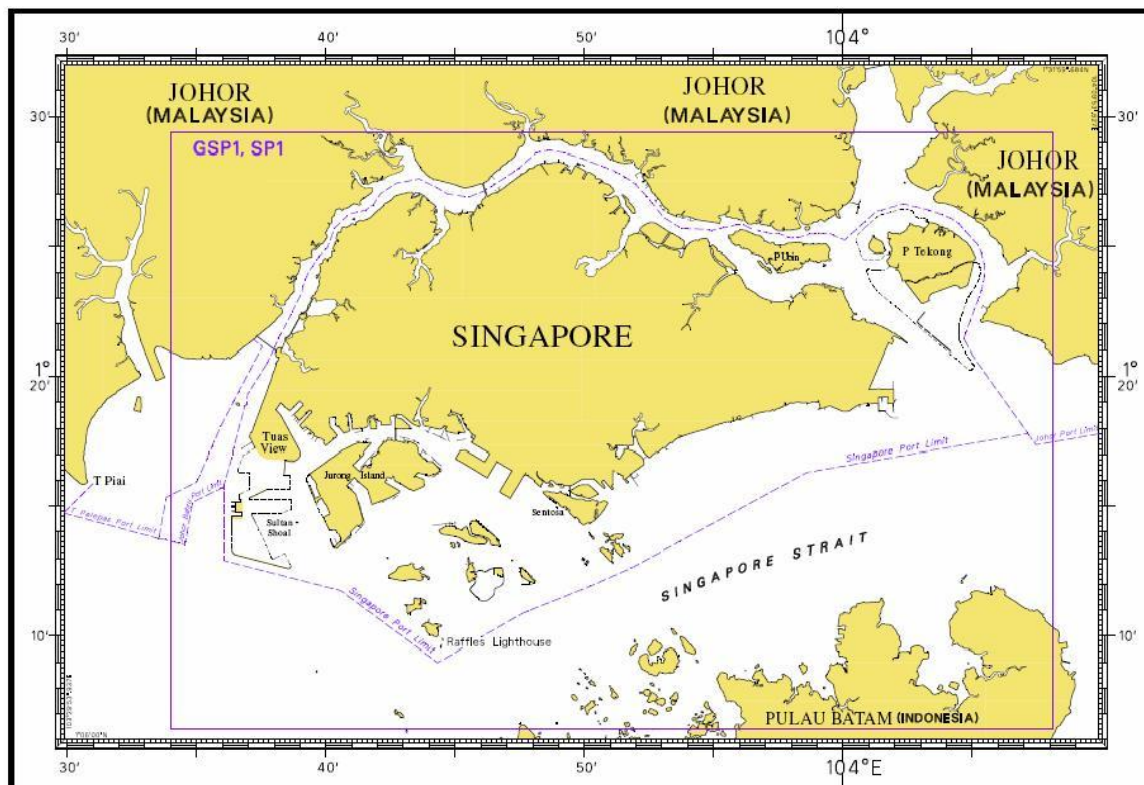
| NOTICE NO. | DESCRIPTION   | PAGE NO. |
|------------|---|----------|
| -          | Index of Singaporean Charts   | 3, 4     |
| -          | Index of Dual-Badged Charts   | 5 to 7   |
| -          | Index of Singapore Electronic Navigational Chart (ENC)                              | 8        |
| -          | New Edition Dual Badged Chart   | 9        |
| -          | New Edition Singapore ENC   | 10, 11   |
| 30, 31     | Singaporean Chart 200   | 12       |
| 32         | Singaporean Chart 202   | 12       |
| *33        | Singaporean Chart 502   | 12       |
| 32         | Singaporean Chart 503   | 12       |
| -          | Temporary and Preliminary Notices   | 13       |
| *34        | Singapore Port Marine Notices/Circulars   | 14       |
| *35        | Singaporean Print-On-Demand (POD) Charts  | 14       |
| *36        | Amendments to Publications  | 15       |
| -          | Reprint of Radio Navigational Warnings  | 16       |
| -          | Extract of Admiralty Notices to Mariners for Dual-Badged Charts                     | 17       |
| -          | Singapore Electronic Navigational Chart (ENC) Distributors                          | 18       |
| -          | Chart Distributors for the Maritime and Port Authority of Singapore Nautical Charts | 19       |

\* Source: Maritime and Port Authority of Singapore

# 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 Chart Distributors.

I  
**INDEX OF CHARTS AND PUBLICATIONS**

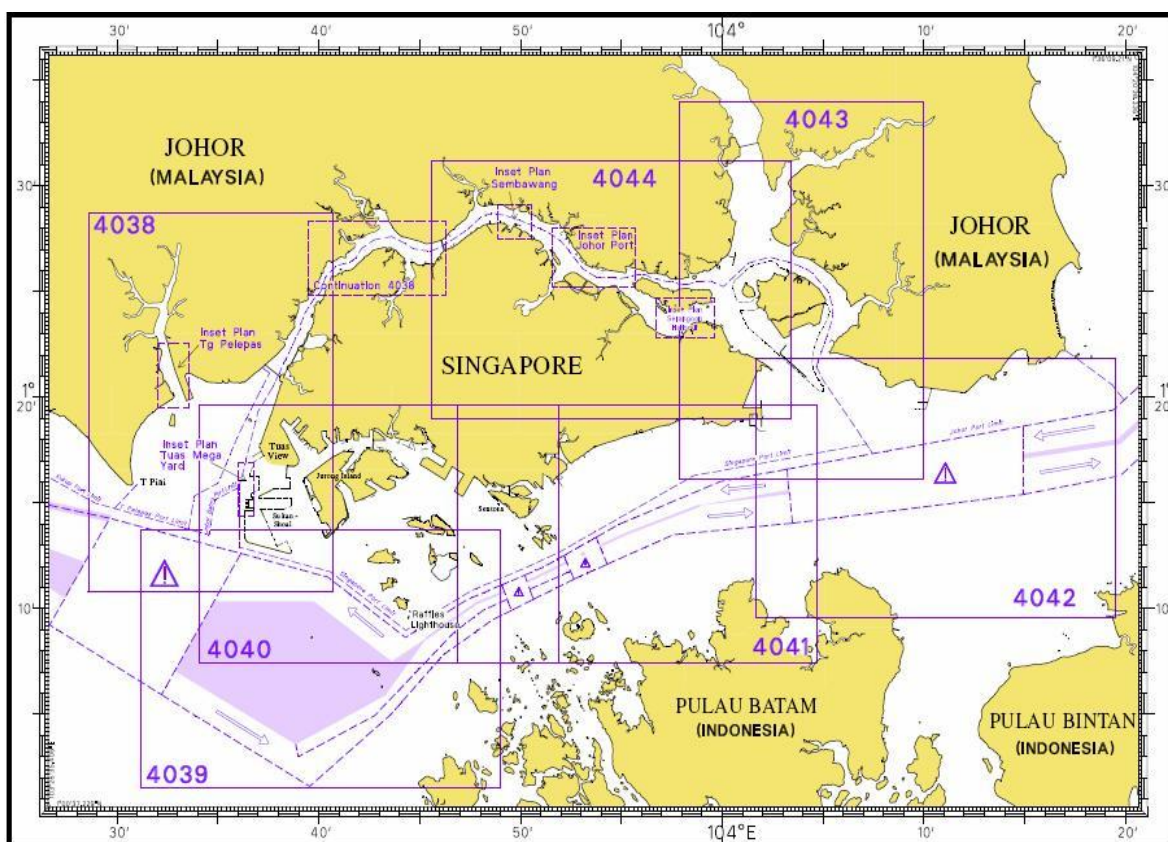
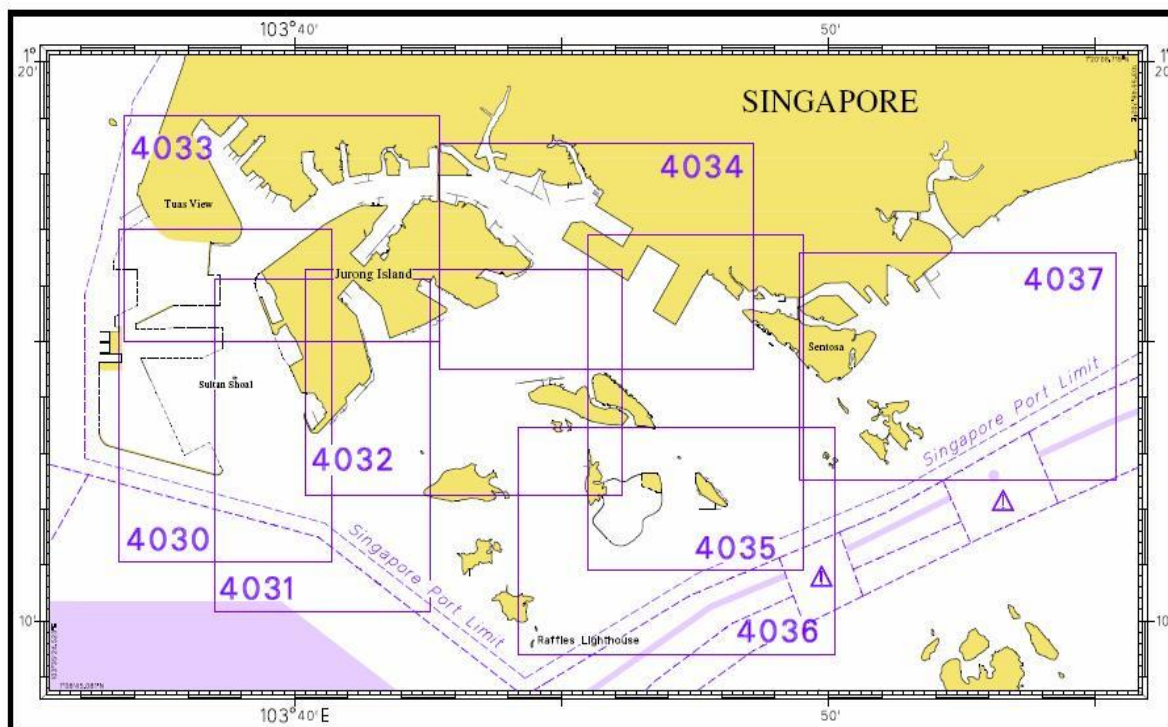
**SINGAPOREAN CHARTS**

| <b>Chart No.</b> | <b>Chart Title</b>  | <b>Scale 1:</b>   | <b>Date Published of Latest Edition</b> |
|------------------|---|-------------------|---|
| GSP1             | Anchorage and Aids to Navigation (with Area Reference)  | 65 000            | 15/02/2016                              |
| SP1              | Anchorage and Aids to Navigation  | 65 000            | 15/02/2016                              |
| 200              | Malacca Strait - Port Klang to Tanjung Keling   | 200 000           | 01/09/2015                              |
| 201              | Malacca Strait - Tanjung Keling to Western Entrance of Singapore Strait   | 200 000           | 15/08/2014                              |
| 202              | Singapore Strait  | 200 000           | 26/09/2013                              |
| 500              | Malacca and Singapore Straits – Pulau Pisang to Raffles Lighthouse  | 75 000            | 26/09/2013                              |
| 501              | Singapore Strait – Western Part   | 50 000            | 01/09/2015                              |
| 502              | Singapore Strait - Eastern Part   | 50 000            | 01/09/2015                              |
| 503              | South China Sea - Eastern Approaches and Entrance to Singapore Strait   | 75 000            | 15/08/2014                              |
| -                | Charts for Small Craft – Singapore Port Waters and Approaches   | 10 000 to 200 000 | January 2016                            |
| 1                | <p>Symbols Abbreviations Terms and S-57 Objects used on Singapore Nautical and Electronic Navigational Charts.</p> <p>Available at MPA website:<br/> <a href="http://www.mpa.gov.sg/web/portal/home/publications/charts-symbols-and-abbreviations">http://www.mpa.gov.sg/web/portal/home/publications/charts-symbols-and-abbreviations</a> </p> | -                 | 28/07/2011                              |

# I

## INDEX OF CHARTS AND PUBLICATIONS

### DUAL-BADGED CHARTS





**I**  
**INDEX OF CHARTS AND PUBLICATIONS**

| <b>Chart No.</b> | <b>Chart Title</b>   | <b>Scale 1:</b> | <b>Date Published of Latest Edition</b> |
|------------------|--|-----------------|---|
| 4030             | Port of Singapore<br>West Jurong Anchorages and Temasek Fairway                                | 10 000          | 17/03/2016                              |
| 4031             | Port of Singapore<br>Western Approaches to Jurong Island                                       | 10 000          | 17/03/2016                              |
| 4032             | Port of Singapore<br>Sinki Fairway   | 10 000          | 15/05/2014                              |
| 4033             | Port of Singapore<br>Tuas Bay, West Jurong Channel and Pesek Basin                             | 10 000          | 17/03/2016                              |
| 4034             | Port of Singapore<br>East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway       | 10 000          | 28/05/2015                              |
| 4035             | Port of Singapore<br>Western Anchorages, Jong Fairway and Cruise Bay                           | 10 000          | 28/05/2015                              |
| 4036             | Port of Singapore<br>Raffles Lighthouse to The Sisters   | 10 000          | 28/05/2015                              |
| 4037             | Port of Singapore<br>Keppel Harbour, Tanjong Pagar Terminal and Approaches                     | 10 000          | 28/05/2015                              |
| 4038             | Malaysia and Singapore<br>Johor Strait – Western Part  | 30 000          | 25/02/2016                              |
| 4039             | Indonesia, Singapore and Malaysia<br>Western Approaches to Main Strait                         | 30 000          | 24/04/2014                              |
| 4040             | Singapore, Indonesia and Malaysia<br>Tuas View to Pulau Sakijang Bendera<br>(S. John's Island) | 30 000          | 27/08/2015                              |
| 4041             | Singapore and Indonesia<br>Pulau Sebarok to Changi   | 30 000          | 27/08/2015                              |



**I**  
**INDEX OF CHARTS AND PUBLICATIONS**

**DUAL- BADGED CHARTS**

| <b>Chart No.</b> | <b>Chart Title</b>   | <b>Scale 1:</b> | <b>Date<br/>Published<br/>of Latest Edition</b> |
|------------------|--|-----------------|---|
| 4042             | Indonesia, Malaysia and Singapore<br>Changi to Pulau Mungging and Tanjung Buntan to<br>Tanjung Tondang | 30 000          | 24/04/2014                                      |
| 4043             | Malaysia and Singapore<br>Kuala Johor and Sungai Johor   | 30 000          | 09/04/2015                                      |
| 4044             | Singapore and Malaysia<br>Johor Strait - Eastern Part  | 30 000          | 09/04/2015                                      |

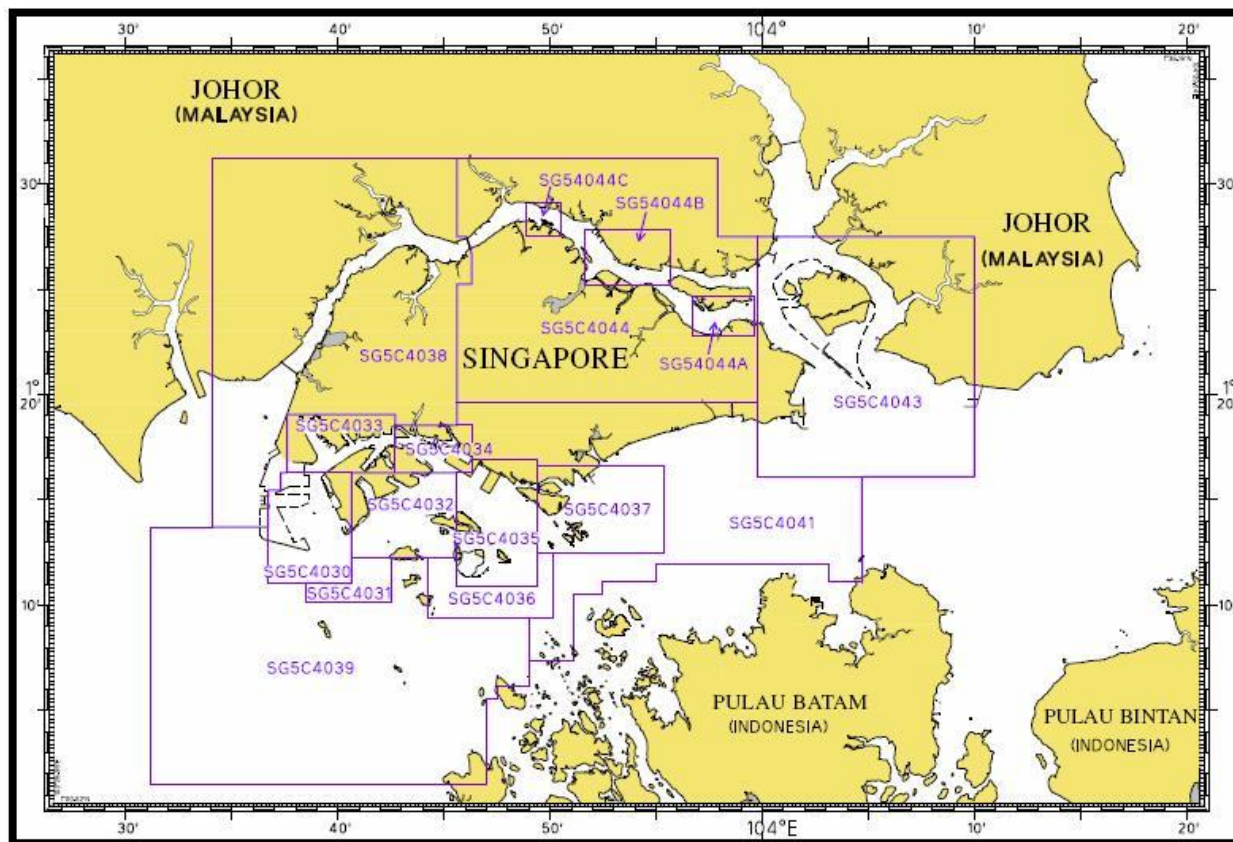
**SINGAPOREAN PUBLICATIONS**

| <b>Item</b> | <b>Title</b>                         | <b>Date<br/>Published<br/>of Latest Edition</b> |
|-------------|--------------------------------------|---|
| 1           | Singapore Tide Tables Year 2016      | 09/09/2015                                      |
| 2           | Singapore Port Information 2016/2017 | 04/01/2016                                      |

# I

## INDEX OF CHARTS AND PUBLICATIONS

### INDEX OF SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC)



### SINGAPORE ELECTRONIC NAVIGATIONAL CHART (ENC)

| ENC Name | ENC Coverage  | ENC Edition                           |
|----------|---|---------------------------------------|
| SG5C4030 | West Jurong Anchorages and Temasek Fairway                          | 9 <sup>th</sup> Edition (17/03/2016)  |
| SG5C4031 | Western Approaches to Jurong Island                                 | 8 <sup>th</sup> Edition (17/03/2016)  |
| SG5C4032 | Sinki Fairway   | 10 <sup>th</sup> Edition (7/05/2015)  |
| SG5C4033 | Tuas Bay, West Jurong Channel and Pesek Basin                       | 9 <sup>th</sup> Edition (17/03/2016)  |
| SG5C4034 | East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway | 13 <sup>th</sup> Edition (28/05/2015) |
| SG5C4035 | Western Anchorages, Jong Fairway and Cruise Bay                     | 16 <sup>th</sup> Edition (28/05/2015) |
| SG5C4036 | Raffles Lighthouse to The Sisters                                   | 9 <sup>th</sup> Edition (28/05/2015)  |
| SG5C4037 | Keppel Harbour, Tanjong Pagar Terminal and Approaches               | 9 <sup>th</sup> Edition (28/05/2015)  |
| SG5C4038 | Johor Strait – Western Part   | 9 <sup>th</sup> Edition (25/02/2016)  |
| SG5C4039 | Western Approaches to Main Strait                                   | 8 <sup>th</sup> Edition (27/08/2015)  |
| SG5C4041 | Pulau Sebarok to Changi   | 9 <sup>th</sup> Edition (27/08/2015)  |
| SG5C4043 | Kuala Johor   | 11 <sup>th</sup> Edition (9/04/2015)  |
| SG5C4044 | Johor Strait – Eastern Part   | 11 <sup>th</sup> Edition (9/04/2015)  |
| SG54044A | Serangoon Harbour   | 2 <sup>nd</sup> Edition (9/04/2015)   |
| SG54044B | Pelabuhan Johor (Johor Port)  | 2 <sup>nd</sup> Edition (9/04/2015)   |
| SG54044C | Sembawang   | 2 <sup>nd</sup> Edition (9/04/2015)   |

The latest edition of the Singapore ENC covering Singapore Waters and their approaches can be found in our monthly Singaporean Notices to Mariners at MPA website: <http://www.mpa.gov.sg/web/portal/home/port-of-singapore/port-operations/charts-tidal-information-aids-to-navigation-hydrography/nautical-charts/singapore-electronic-navigational-chart-enc>

## II NEW PUBLICATIONS

### NEW EDITION DUAL BADGED CHART TO BE PUBLISHED ON 16<sup>TH</sup> JUNE 2016

|                       |   |   |
|-----------------------|---|---|
| <b>Chart Number</b>   | : | 4043  |
| <b>Title</b>          | : | Malaysia and Singapore<br>Kuala Johor and Sungai Johor  |
| <b>Coverage</b>       | : | Lat 01° 16·10' N      01° 34·00' N<br>Long 103° 57·90' E      104° 10·00' E   |
| <b>Scale</b>          | : | 1 : 30 000  |
| <b>Date Published</b> | : | 16 <sup>th</sup> June 2016  |
| <b>Size of Chart</b>  | : | 748·1 x 1099·6 mm   |
| <b>Remarks</b>        | : | This new edition includes updated surveys covering north and south of Pulau Ubin, around Pulau Tekong, Kuala Johor and Eastern Bunkering B Anchorage. |

The existing chart of the same number published on 09<sup>th</sup> April 2015 will be superseded.

|                       |   |   |
|-----------------------|---|---|
| <b>Chart Number</b>   | : | 4044  |
| <b>Title</b>          | : | Singapore and Malaysia<br>Johor Strait – Eastern Part   |
| <b>Coverage</b>       | : | Lat 01° 19·00' N      01° 31·20' N<br>Long 103° 45·60' E      104° 03·40' E   |
| <b>Scale</b>          | : | 1 : 30 000  |
| <b>Date Published</b> | : | 16 <sup>th</sup> June 2016  |
| <b>Size of Chart</b>  | : | 1100·5 x 749·5 mm   |
| <b>Remarks</b>        | : | This new edition includes updated surveys covering north of Sembawang, north of Pulau Punggol Barat and Timor, north of Pulau Ubin, Serangoon Harbour, north of Pulau Tekong and Kuala Johor. |

The existing chart of the same number published on 09<sup>th</sup> April 2015 will be superseded.

## II NEW PUBLICATIONS

### NEW EDITION SINGAPORE ENC TO BE RELEASED ON 16<sup>TH</sup> JUNE 2016

**ENC Name** : SG5C4043  
**Location** : Kuala Johor  
**Coverage** : Lat 01° 16·10' N 01° 27·50' N  
                   Long 103° 59·80' E 104° 10·00' E  
**Compilation Scale** : 1: 22 000  
**Date Released** : 16<sup>th</sup> June 2016  
**Descriptions** : This new edition includes updated surveys covering north and south of Pulau Ubin, around Pulau Tekong, Kuala Johor and Eastern Bunkering B Anchorage.

The existing cell of the same name released on 09<sup>th</sup> April 2015 will be superseded.

**ENC Name** : SG5C4044  
**Location** : Johor Strait – Eastern Part  
**Coverage** : Lat 01° 19·60' N 01° 31·20' N  
                   Long 103° 45·60' E 103° 59·80' E  
**Compilation Scale** : 1: 22 000  
**Date Released** : 16<sup>th</sup> June 2016  
**Descriptions** : This new edition includes updated surveys covering north of Sembawang, north of Pulau Punggol Barat and Timor, north of Pulau Ubin, Serangoon Harbour, north of Pulau Tekong and Kuala Johor.

The existing cell of the same name released on 09<sup>th</sup> April 2015 will be superseded.

**ENC Name** : SG54044A  
**Location** : Serangoon Harbour  
**Coverage** : Lat 01° 22·80' N 01° 24·70' N  
                   Long 103° 56·70' E 104° 00·00' E  
**Compilation Scale** : 1: 12 000  
**Date Released** : 16<sup>th</sup> June 2016  
**Descriptions** : This new edition includes updated surveys covering Serangoon Harbour.

The existing cell of the same name released on 09<sup>th</sup> April 2015 will be superseded.

**ENC Name** : SG54044B  
**Location** : Pelabuhan Johor (Johor Port)  
**Coverage** : Lat 01° 25·20' N 01° 27·86' N  
                   Long 103° 51·60' E 103° 55·70' E  
**Compilation Scale** : 1: 12 000  
**Date Released** : 16<sup>th</sup> June 2016  
**Descriptions** : This new edition includes updated surveys covering north of Pulau Punggol Barat and Timor and north west of Pulau Ubin.

The existing cell of the same name released on 09<sup>th</sup> April 2015 will be superseded.







## II NEW PUBLICATIONS

**ENC Name** : SG54044C  
**Location** : Sembawang  
**Coverage** : Lat 01° 27·50' N 01° 29·10' N  
Long 103° 48·90' E 103° 50·50' E  
**Compilation Scale** : 1: 8 000  
**Date Released** : 16<sup>th</sup> June 2016  
**Descriptions** : This new edition includes updated surveys covering north of Sembawang.

The existing cell of the same name released on 09<sup>th</sup> April 2015 will be superseded.

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## II NOTICES TO MARINERS AND CHART CORRECTIONS

|                |  |  |                   |
|----------------|--|--|-------------------|
| <b>200</b>     | 4Ed 01/09/15   | (Admiralty Notice No. 15/1794/2016)            | <b>NM 30/2016</b> |
| <b>Amend</b>   | light to, <b>Fl.WR.10s21m22-15M</b>  | 3°11.17'N                                      | 101°13.03'E       |
|                |  | (Royal Malaysian Navy<br>Notice No. 3/72/2016) | <b>NM 31/2016</b> |
| <b>Amend</b>   | light to, <b>Fl.5m5M</b>   | 2°31.82'N                                      | 101°47.11'E       |
| <b>Delete</b>  |   | 2°30.17'N                                      | 101°45.26'E       |
| <b>Delete</b>  | pipeline,  joining from:  | (a) 2°30.17'N                                  | 101°45.26'E       |
|                | to:  | (b) 2°31.00'N                                  | 101°49.41'E       |
| <b>Delete</b>  | legend, <i>Oil (see note)</i> , centred on:  | 2°30.41'N                                      | 101°48.22'E       |
| <hr/>          |  |  |                   |
| <b>202</b>     | 7Ed 26/09/13 Last NM 17/2016   | (Admiralty Notice No. 15/1820/2016)            | <b>NM 32/2016</b> |
| <b>Insert</b>  |  <b>LFl.8s</b>  | 1°10.27'N                                      | 104°18.23'E       |
| <hr/>          |  |  |                   |
| <b>502</b>     | 7Ed 01/09/15 Last NM 26/2016   | (Maritime and Port Authority of Singapore)     | <b>NM 33/2016</b> |
| <b>Replace</b> |  with  | 1°10.62'N                                      | 104°15.94'E       |
| <hr/>          |  |  |                   |
| <b>503</b>     | 5Ed 15/08/14 Last NM 17/2016   | (Admiralty Notice No. 15/1820/2016)            | <b>NM 32/2016</b> |
| <b>Insert</b>  |  <b>LFl.8s</b> close SE of depth 4 <sub>6</sub> at:                                       | 1°10.30'N                                      | 104°18.20'E       |
| <hr/>          |  |  |                   |

**II**  
**TEMPORARY AND PRELIMINARY NOTICES**

NIL



### III NAVIGATIONAL INFORMATION

#### \*(NM 34/2016) SINGAPORE PORT MARINE NOTICES/CIRCULARS

The Port Marine Notices/Circulars shortlisted below would be of particular interest to mariners. Details and complete list of Port Marine Notices/Circulars are available at this link: <http://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notice>

| PMN No. | Subject   |
|---------|---|
| 26/2016 | Caisson towing operations at Tuas Reclamation Area                      |
| 27/2016 | Soil investigation works at southern part of Temasek Fairway            |
| 30/2016 | Reclamation at Pulau Tekong   |
| 31/2016 | Mooring and unmooring of vessels off Pulau Tekong                       |
| 32/2016 | Reclamation work at western part of Tuas view extension                 |
| 37/2016 | Reclamation work off Temasek Fairway, west of Jurong Island             |
| 38/2016 | Mooring and unmooring of vessels off Jurong Island, off Temasek Fairway |

| PMC No. | Subject                                    |
|---------|--|
| 6/2016  | 10% Port dues concession for bulk carriers |

#### \*(NM 35/2016) 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. All Singaporean Charts are continually updated to the latest Notices to Mariners before they are printed and sold to users.

These POD Charts include GSP1, SP1, 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 non-POD printed charts, where in some cases there are several overlapping corrections over existing information.

##### **Coverage**

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

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\*Source: Maritime and Port Authority of Singapore

### III AMENDMENTS TO PUBLICATIONS

\*(NM 36/2016) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2016/2017”

1. Page 104

#### LEAST DEPTHS OF ANCHORAGES B WESTERN SECTOR

Amend the following:

| No. | Anchorage                                 | Depth (m) | Latitude (N)<br>Longitude (E) |
|-----|---|-----------|-------------------------------|
| 17  | Western Quarantine and Immigration (AWQI) | 11.5m     | 1°12.984'<br>103°49.816'      |
| 18  | Western (AWW)                             | 15.6m     | 1°15.141'<br>103°48.289'      |
| 19  | Western Petroleum A (AWPA)                | 20.8m     | 1°14.176'<br>103°48.293'      |
| 20  | Western Holding (AWH)                     | 21.1m     | 1°13.989'<br>103°47.515'      |
| 21  | Western Petroleum B (AWPB)                | 19.4m     | 1°14.039'<br>103°48.404'      |

2. Page 158

#### PULAU TEKONG

Amend the following:

| Name Of Beacon/<br>Buoy | Position<br>Lat. N<br>Long. E<br>Deg Min | Structure, Colour &<br>Shape   | Light<br>Characteristic | Owner |
|-------------------------|--|--|-------------------------|-------|
| Tekong 19               | 01°26.544'<br>104°02.353'                | Double black cones<br>topmark point upward<br>on black yellow pillar | QW                      | HDEC  |

3. Page 166

#### 22 JURONG ISLAND (PETROCHEMICAL CORPORATION OF SINGAPORE) (1°15.9'N, 103°43.0'E)

Delete the following:

| Berth         | Length of Berth<br>Box | Max LOA | Depth Alongside<br>(Year Surveyed) | Controlling Depth<br>in Approaches |
|---------------|------------------------|---------|------------------------------------|------------------------------------|
| No.2 (Solids) | 165m                   | -       | -                                  | -                                  |

4. Page 179

#### 45 PASIR PANJANG TERMINAL (PSA SINGAPORE TERMINALS) (1°17.2'N, 103°46.1'E)

Amend the following:

| Berth | Length of<br>Berth Box | Depth Alongside<br>(Year Surveyed) | Controlling Depth<br>in Approaches |
|-------|------------------------|------------------------------------|------------------------------------|
| P26   | 220m                   | 15.4m (2014)                       | 15.2m                              |

\*Source: Maritime and Port Authority of Singapore

#### IV REPRINT OF RADIO NAVIGATIONAL WARNINGS

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

TT175

VESSELS IN EAST JOHOR STRAIT ARE ADVISED TO NAVIGATE WITH PARTICULAR ALERTNESS AND CAUTION WHEN NEAR THE PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREAS EXIST. VESSELS ARE REMINDED TO PROCEED AT A SAFE SPEED AND MAINTAIN A PROPER LOOK-OUT, PARTICULARLY FOR TUGS AND BARGES NAVIGATING NEAR THE PROJECT AREAS AND PASSENGER FERRIES CROSSING BETWEEN CHANGI AND PULAU TEKONG AND VICINITY OF PASIR GUDANG.

TT273

ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, COMPLY WITH THE INTERNATIONAL COLLISION REGULATIONS, MAINTAIN VHF RADIO WATCH AND LISTEN TO TRAFFIC INFORMATION WHEN NAVIGATING IN THE SINGAPORE STRAIT AND PORT WATERS. MARINERS ARE ALSO ADVISED TO KEEP A GOOD LOOKOUT OF FREQUENT FERRIES CROSSING THE SINGAPORE STRAIT.

TT282

RACON DELTA Q(6).LFl.15s IN POSITION 01-03.60N 103-38.85E IS REPORTED UNLIT. ALL VESSELS ARE ADVISED TO NAVIGATE WITH PARTICULAR CAUTION.

TT313

BRB ISOLATED DANGER BUOY (OFF TK BEACON) FL(2).5s IN POSITION 01-05.87N 103-43.69E IS REPORTED UNLIT. ALL VESSELS ARE ADVISED TO NAVIGATE WITH PARTICULAR CAUTION.

TT319

THE LIGHT AND TOPMARK OF BATU BERHANTI BUOY FL.(2).5SECS IN POSITION 01-11.76N 103-52.51E IS REPORTED MISSING. VESSELS ARE ADVISED TO NAVIGATE WITH PARTICULAR CAUTION.

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 AS DETAILED IN MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 02 OF 2011 DATED 30 MAY 2011.

SR123 (AMENDED ON 200330Z)

SEA ROBBERIES ARE REPORTED IN THE SINGAPORE STRAIT, ALL VESSELS ARE REMINDED TO MAINTAIN A PROPER LOOK-OUT AND REPORT ANY SUSPICIOUS CRAFT TO VTIS SINGAPORE.

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ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 24<sup>th</sup> Apr 2016)

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

**These notices can also be accessed directly from UKHO Website:**

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

**1793 SINGAPORE - Pulau Ular and Pulau Bukom - Dredged depths. Rock. Buoyage.**

Source: Maritime and Port Authority of Singapore

**Chart 4032** [ *previous update 1241/16* ] WGS84 DATUM

Amend dredged depth to, **8.3m (2015)**, centred on: 1° 13' .635N., 103° 45' .359E.

Replace  with  1° 14' .487N., 103° 45' .589E.

**Chart 4035** [ *previous update 692/16* ] WGS84 DATUM

Amend dredged depth to, **9.0m (2015)**, centred on: 1° 13' .817N., 103° 46' .555E.  
 dredged depth to, **11.0m (2015)**, centred on: 1° 13' .877N., 103° 46' .499E.  
 dredged depth to, **2.7m (2015)**, centred on: 1° 13' .694N., 103° 46' .628E.

Replace  with  1° 14' .487N., 103° 45' .589E.

**Chart 4040** [ *previous update 1110/16* ] WGS84 DATUM

Insert  **Fl(5)Y.20s (sync)** 1° 15' .29N., 103° 38' .47E.  
 1° 15' .29N., 103° 38' .64E.

Replace  with  1° 14' .48N., 103° 45' .60E.

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Updated to Admiralty Notices to Mariners Edition No. 17 of 2016 dated 28<sup>th</sup> April 2016

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## **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  
7B Keppel Road #20-00 Tanjong Pagar Complex  
Singapore 089055

Tel : (65) 6325 2027  
Fax : (65) 6226 1076  
Email : [hydrographic@mpa.gov.sg](mailto: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 : .....

.....

.....

Attachment : .....

### **Equipment Used** :

Type of Position Fixing : ..... GPS / DGPS ..... Others : .....

Type of Echo Sounder : .....

Name and Signature : .....

Ship's/Company's Stamp : .....