



## 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	14
	Temporary and Preliminary Notices	15
III	Navigational Information	16
	Amendments to Publications	17
IV	Reprint of Radio Navigational Warnings	18
V	Extract of Admiralty Notices to Mariners for Dual-Badged Charts	20

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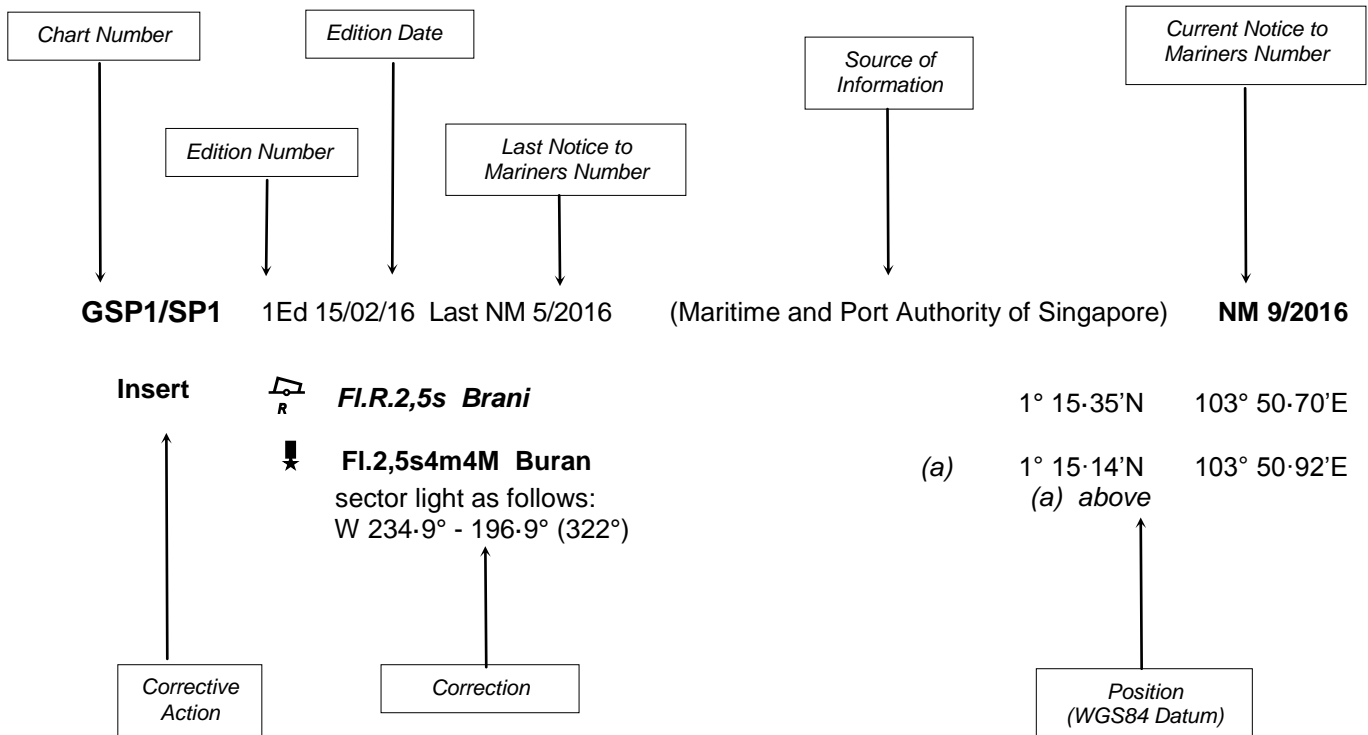
Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately on the discovery of new dangers or suspected dangers to navigation and of changes or defects in aids to navigation. See Hydrographic Note on back page.

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
Singapore Tide Tables 2017	-	11 to 13
Singaporean Chart GSP1/SP1	*55, *56	14
Temporary and Preliminary Notices	-	15
Singapore Port Marine Notices/Circulars	*57	16
Singaporean Print-On-Demand (POD) Charts	*58	16
Amendments to Publications	*59	17
Reprint of Radio Navigational Warnings	-	18, 19
Extract of Admiralty Notices to Mariners for Dual-Badged Charts	-	20
Singapore Electronic Navigational Chart (ENC) Distributors	-	21
Chart Distributors for the Maritime and Port Authority of Singapore Nautical Charts and Publications	-	22

\*Source: Maritime and Port Authority of Singapore

I  
**INDEX OF CHARTS AND PUBLICATIONS**

**INDEX OF NOTICES**

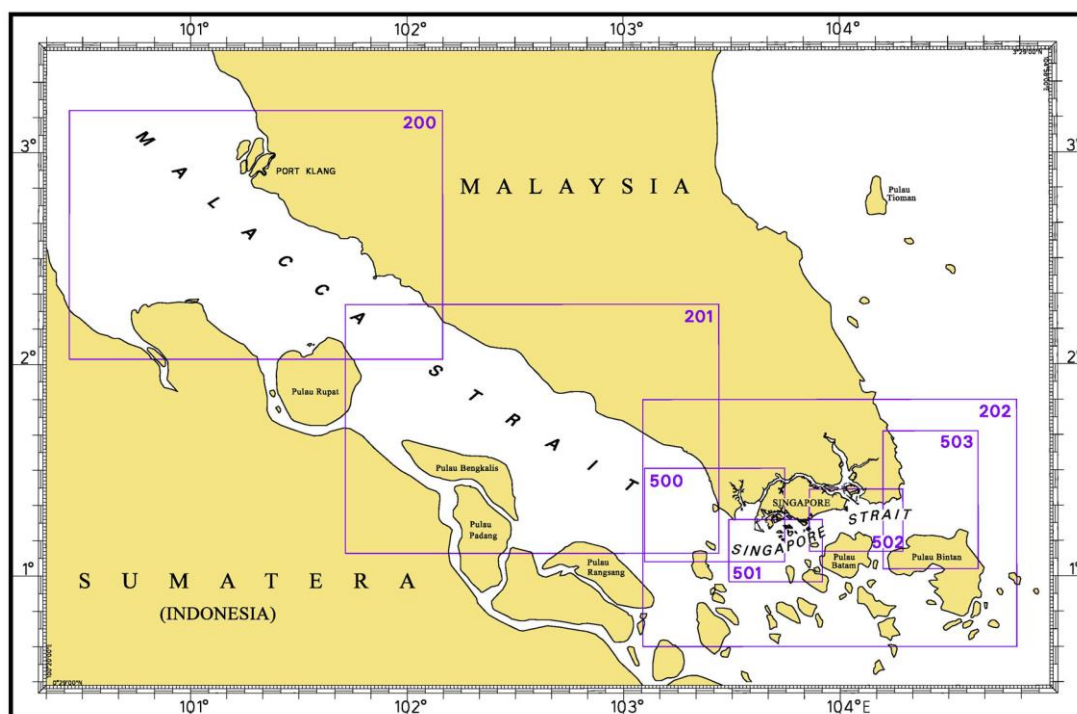
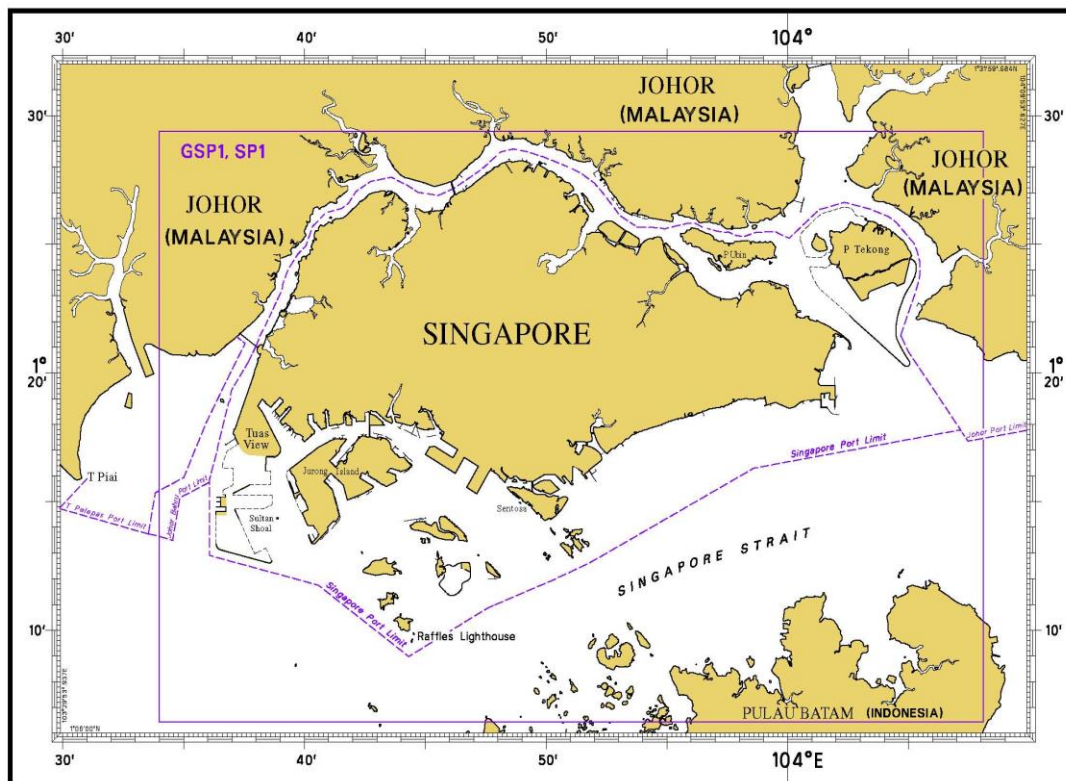
NOTICE NO.	DESCRIPTION	PAGE NO.
-	Index of Singaporean Charts	3, 4
-	Index of Dual-Badged Charts	5 to 7
-	Index of Singapore Electronic Navigational Chart (ENC)	8
-	New Edition Dual Badged Chart	9
-	New Edition Singapore ENC	10
-	Singapore Tide Tables 2017	11 to 13
*55, *56	Singaporean Chart GSP1/SP1	14
-	Temporary and Preliminary Notices	15
*57	Singapore Port Marine Notices/Circulars	16
*58	Singaporean Print-On-Demand (POD) Charts	16
*59	Amendments to Publications	17
-	Reprint of Radio Navigational Warnings	18, 19
-	Extract of Admiralty Notices to Mariners for Dual-Badged Charts	20
-	Singapore Electronic Navigational Chart (ENC) Distributors	21
-	Chart Distributors for the Maritime and Port Authority of Singapore Nautical Charts	22

\* 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**

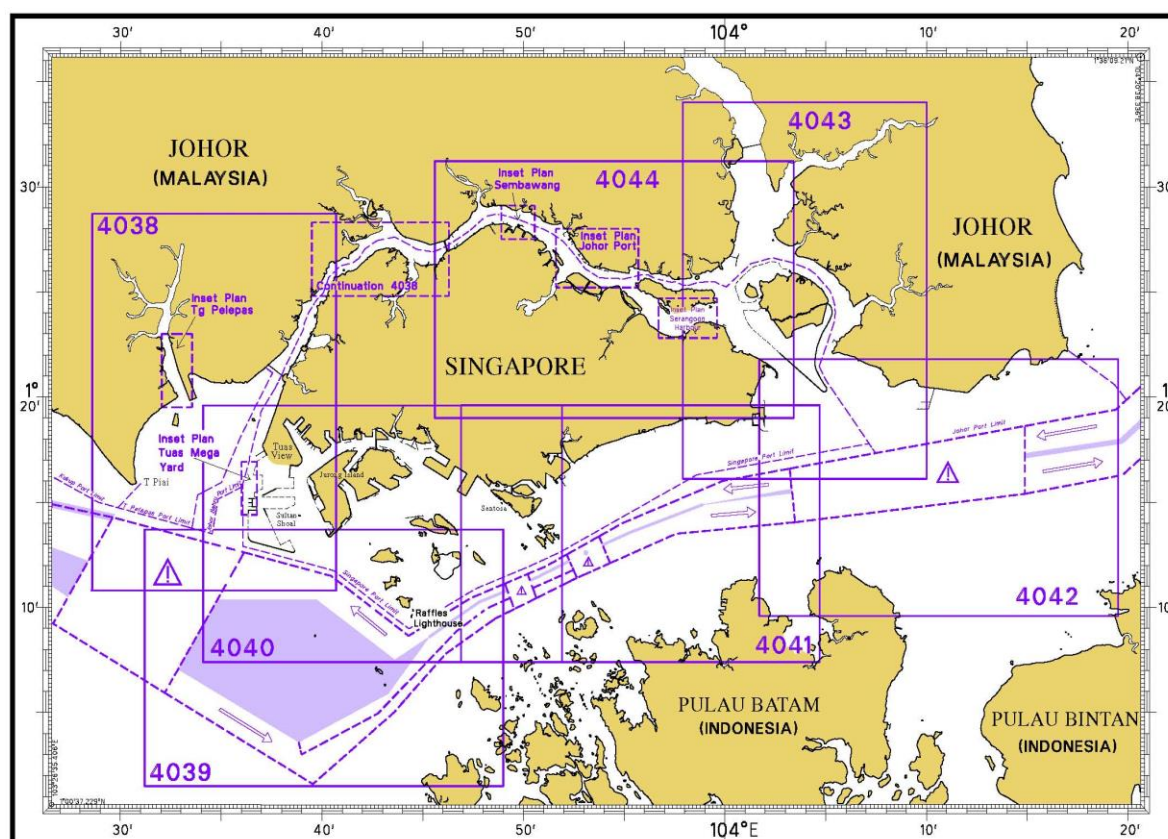
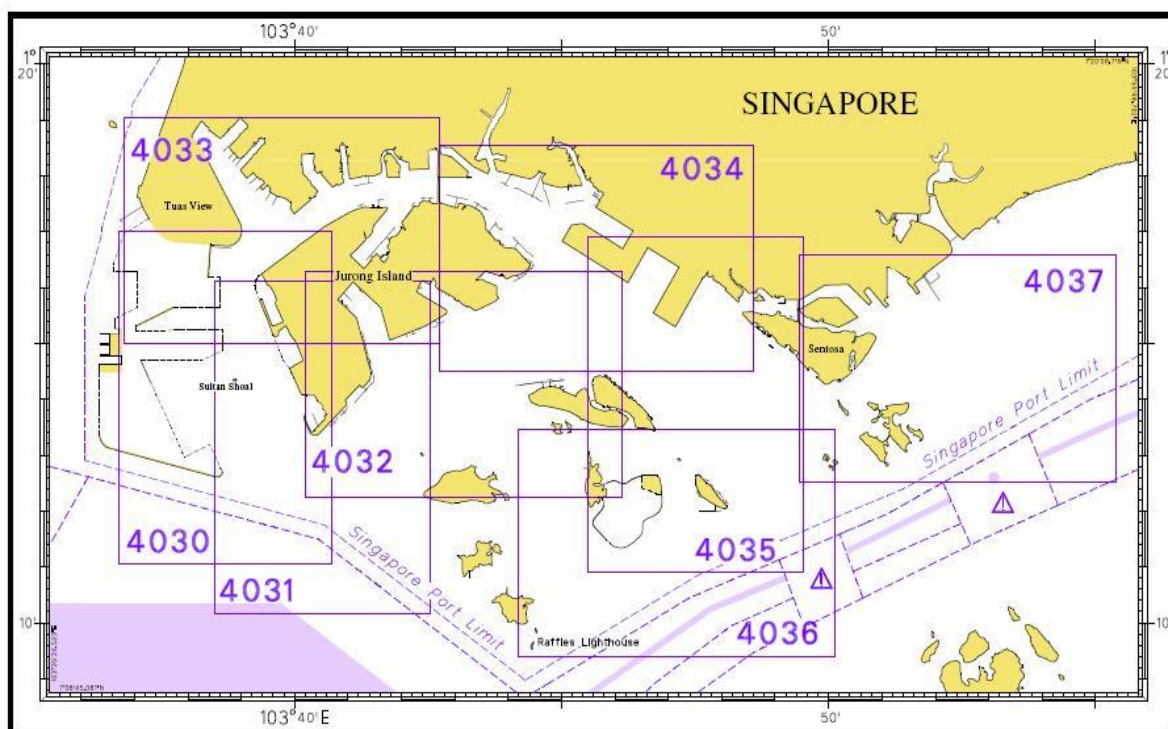
**SINGAPOREAN CHARTS**

<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:  <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 West Jurong Anchorages and Temasek Fairway	10 000	17/03/2016
4031	Port of Singapore Western Approaches to Jurong Island	10 000	17/03/2016
4032	Port of Singapore Sinki Fairway	10 000	15/05/2014
4033	Port of Singapore Tuas Bay, West Jurong Channel and Pesek Basin	10 000	17/03/2016
4034	Port of Singapore East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway	10 000	28/05/2015
4035	Port of Singapore Western Anchorages, Jong Fairway and Cruise Bay	10 000	28/05/2015
4036	Port of Singapore Raffles Lighthouse to The Sisters	10 000	28/05/2015
4037	Port of Singapore Keppel Harbour, Tanjong Pagar Terminal and Approaches	10 000	28/05/2015
4038	Malaysia and Singapore Johor Strait – Western Part	30 000	25/02/2016
4039	Indonesia, Singapore and Malaysia Western Approaches to Main Strait	30 000	24/04/2014
4040	Singapore, Indonesia and Malaysia Tuas View to Pulau Sakijang Bendera (S. John's Island)	30 000	27/08/2015
4041	Singapore and Indonesia 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 Published of Latest Edition</b>
4042	Indonesia, Malaysia and Singapore Changi to Pulau Mungging and Tanjung Buntan to Tanjung Tondang	30 000	24/04/2014
4043	Malaysia and Singapore Kuala Johor and Sungai Johor	30 000	16/06/2016
4044	Singapore and Malaysia Johor Strait - Eastern Part	30 000	16/06/2016

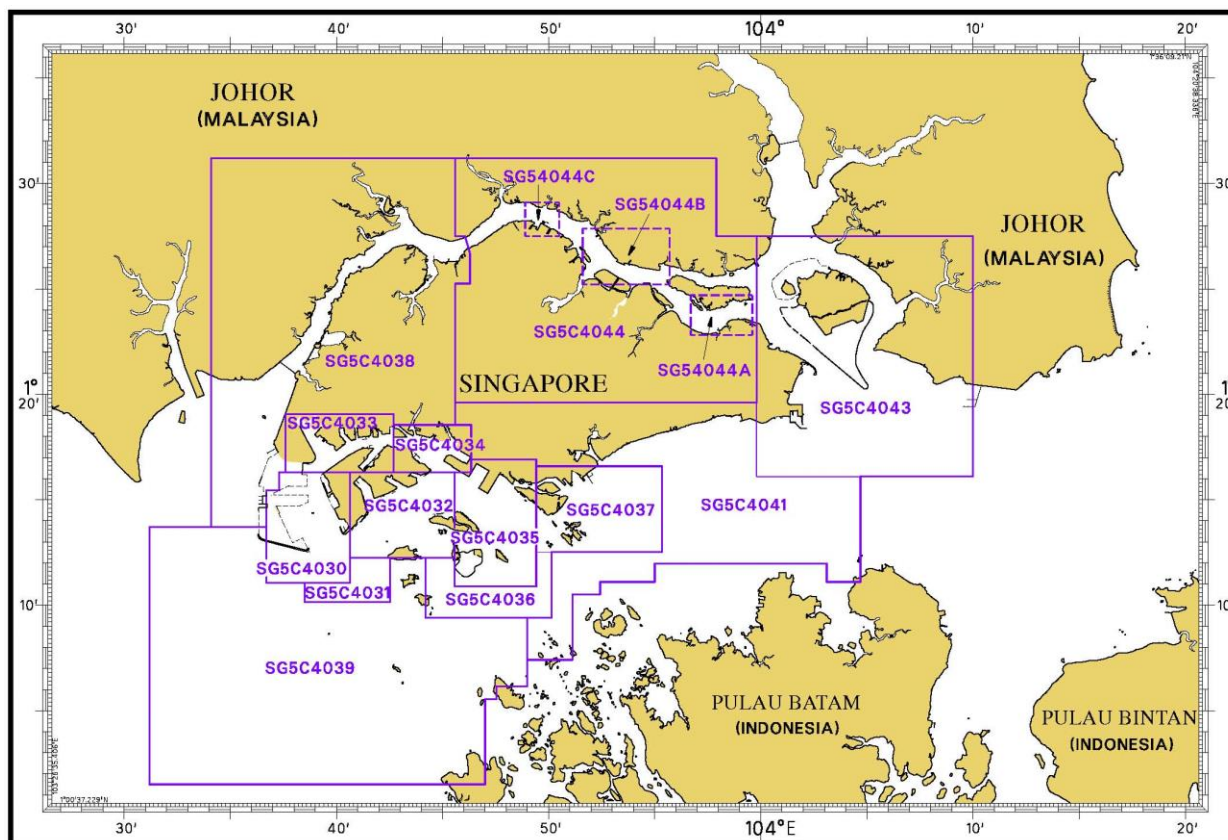
**SINGAPOREAN PUBLICATIONS**

<b>Item</b>	<b>Title</b>	<b>Date Published 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	12 <sup>th</sup> Edition (16/06/2016)
SG5C4044	Johor Strait – Eastern Part	12 <sup>th</sup> Edition (16/06/2016)
SG54044A	Serangoon Harbour	3 <sup>rd</sup> Edition (16/06/2016)
SG54044B	Pelabuhan Johor (Johor Port)	3 <sup>rd</sup> Edition (16/06/2016)
SG54044C	Sembawang	3 <sup>rd</sup> Edition (16/06/2016)

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 4<sup>TH</sup> AUGUST 2016

<b>Chart Number</b>	:	4032
<b>Title</b>	:	Port of Singapore Sinki Fairway
<b>Coverage</b>	:	Lat 01° 12.25' N      01° 16.30' N Long 103° 40.20' E      103° 46.13' E
<b>Scale</b>	:	1 : 10 000
<b>Date Published</b>	:	4 <sup>th</sup> August 2016
<b>Size of Chart</b>	:	1100.0 x 746.4 mm
<b>Remarks</b>	:	This new edition includes updated bathymetric and topographic surveys covering portion of Banyan Basin, East Jurong Channel, West Keppel Fairway, Sinki Fairway, north of Pulau Busing, around Terumbu Pempang Laut, Terumbu Pempang Tengah, Terumbu Pempang Darat, around Pulau Hantu, around Terumbu Bemban and Terumbu Raya.

The existing chart of the same number published on 15<sup>th</sup> May 2014 will be superseded.

<b>Chart Number</b>	:	4034
<b>Title</b>	:	Port of Singapore East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway
<b>Coverage</b>	:	Lat 01° 14.50' N      01° 18.55' N Long 103° 42.70' E      103° 48.60' E
<b>Scale</b>	:	1 : 10 000
<b>Date Published</b>	:	4 <sup>th</sup> August 2016
<b>Size of Chart</b>	:	1094.3 x 746.3 mm
<b>Remarks</b>	:	This new edition includes updated surveys covering East Jurong Channel, Pasir Panjang Terminal Berths P26 to P41, West Keppel Fairway and north of Pulau Bukom, Sinki Fairway and Selat Pandan.

The existing chart of the same number published on 28<sup>th</sup> May 2015 will be superseded.

## II NEW PUBLICATIONS

### NEW EDITION SINGAPORE ENC TO BE RELEASED ON 4<sup>TH</sup> AUGUST 2016

**ENC Name** : SG5C4032  
**Location** : Sinki Fairway  
**Coverage** : Lat 01° 12' 250' N 01° 16' 300' N  
               Long 103° 40' 640' E 103° 45' 580' E  
**Compilation Scale** : 1: 8 000  
**Date Released** : 4<sup>th</sup> August 2016  
**Descriptions** : This new edition includes updated bathymetric and topographic surveys covering portion of Banyan Basin, East Jurong Channel, Sinki Fairway, north of Pulau Busing, West Keppel Fairway, around Terumbu Pempang Laut, Terumbu Pempang Tengah, Terumbu Pempang Darat and Pulau Hantu.

The existing cell of the same name released on 7<sup>th</sup> May 2015 will be superseded.

**ENC Name** : SG5C4034  
**Location** : East Jurong Channel, Pasir Panjang Terminal and West Keppel Fairway  
**Coverage** : Lat 01° 16' 300' N 01° 18' 550' N  
               Long 103° 42' 700' E 103° 46' 360' E  
**Compilation Scale** : 1: 8 000  
**Date Released** : 4<sup>th</sup> August 2016  
**Descriptions** : This new edition includes updated surveys covering East Jurong Channel and vicinity off Retan Darat Channel.

The existing cell of the same name released on 28<sup>th</sup> May 2015 will be superseded.

## II NEW PUBLICATION

### SINGAPORE TIDE TABLES YEAR 2017 TO BE PUBLISHED ON 9<sup>TH</sup> SEPTEMBER 2016

#### Summary of Publication

This publication contains Tidal Height and Tidal Stream Predictions covering stations in Singapore Port Waters and along the Straits of Malacca and Singapore.

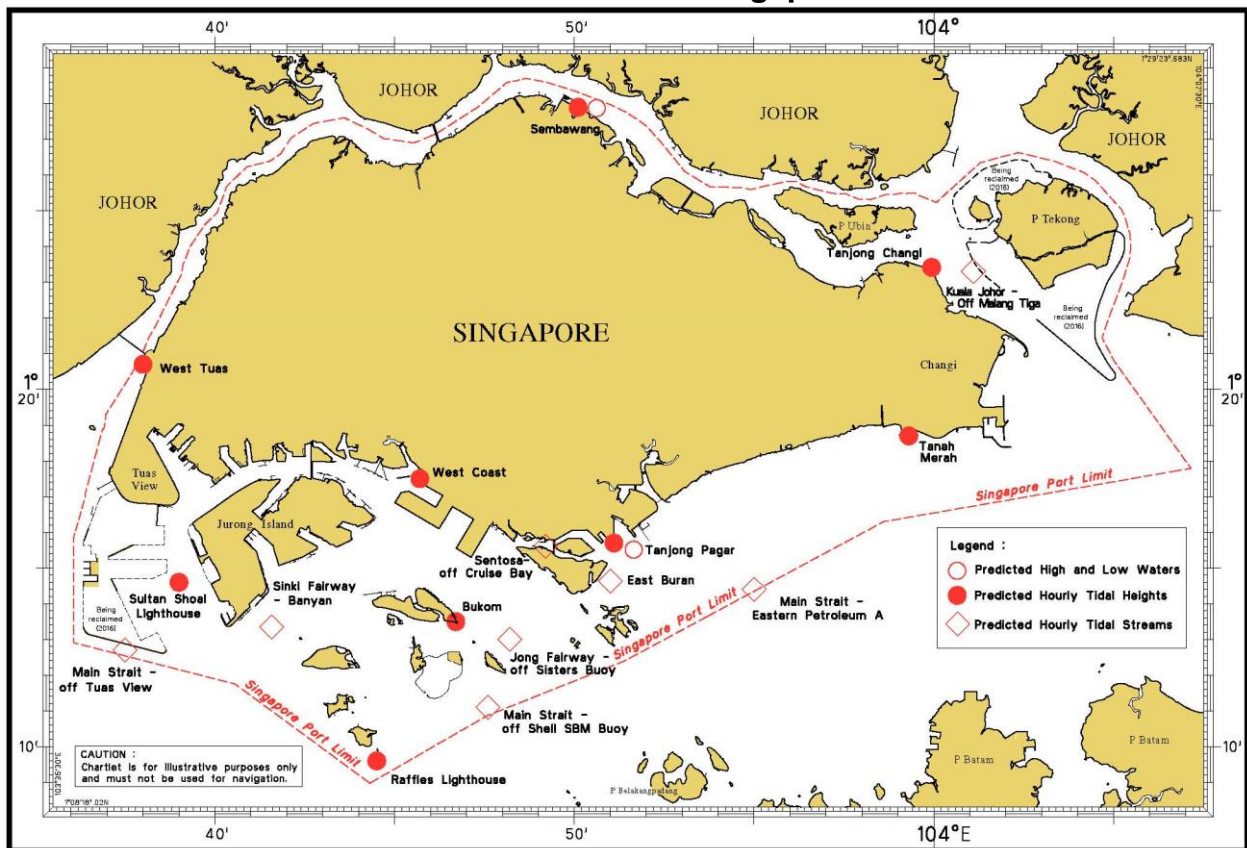
This publication consists of 5 segments.

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) West Tuas
  - b) Sultan Shoal Lighthouse
  - c) Raffles Lighthouse
  - d) West Coast
  - e) Bukom
  - f) Tanjong Pagar
  - g) Tanah Merah
  - h) Tanjong Changi
  - i) Sembawang
  - j) 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 – off Sisters Buoy
  - d) Main Strait – off Shell SBM Buoy
  - e) Sentosa – off Cruise Bay
  - 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 Pulau Iyu Kecil 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

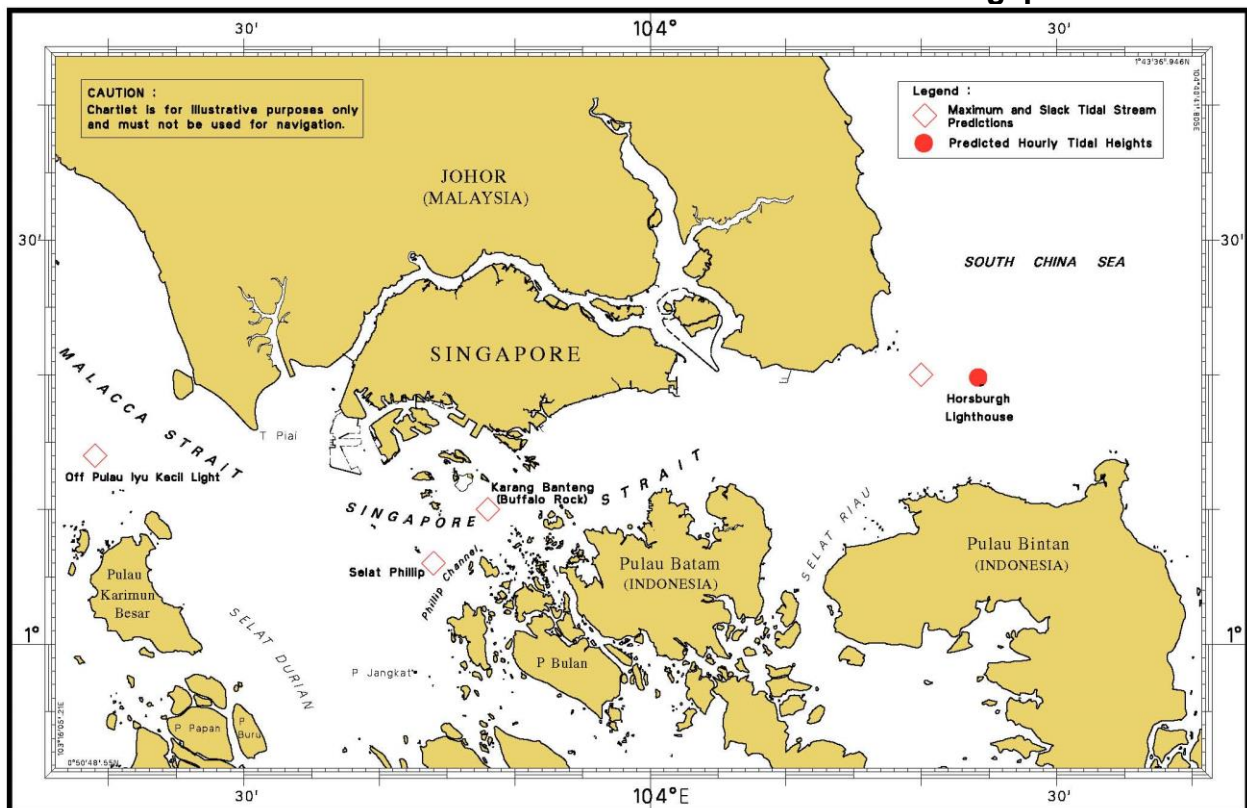
The locations of the above stations are shown in the chartlets below:

## II NEW PUBLICATION

### Tidal Prediction Stations within Singapore Port Waters

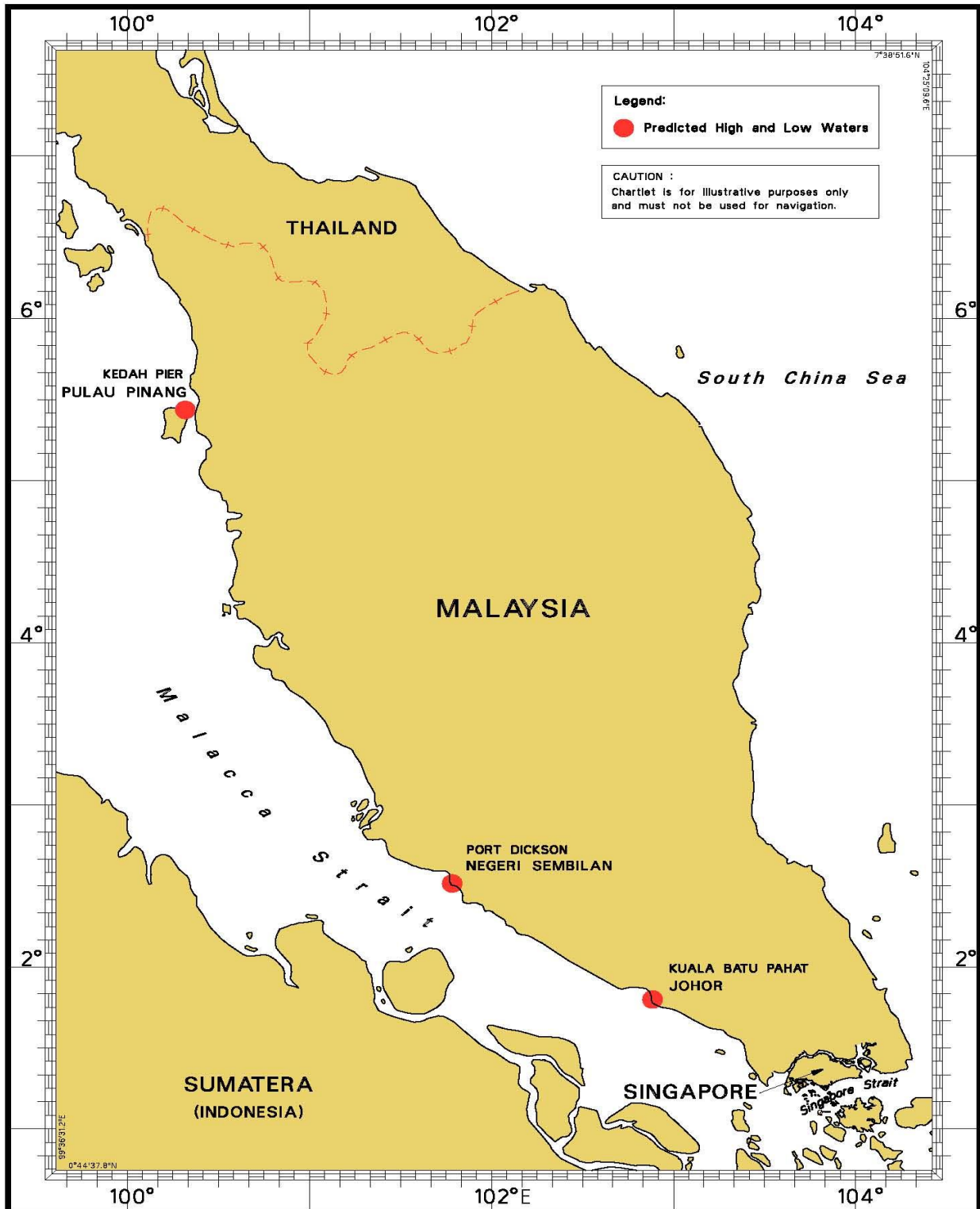


### Tidal Prediction Stations in Straits of Malacca and Singapore



## II NEW PUBLICATION

### Tidal Prediction Stations in Malacca Strait



This publication is available from the following Chart Distributors:

1. Chartco (Singapore) Pte Ltd
  2. Cornes (Singapore) Pte Ltd
  3. E.W. Liner Charts & Publications Pte Ltd
  4. Global Navigation Solutions Pte Ltd
  5. Motion Smith
- (Please refer Page 21 for details)



## II NOTICES TO MARINERS AND CHART CORRECTIONS

**GSP1/SP1**    1Ed 15/02/16 Last NM 49/2016    (Maritime and Port Authority of Singapore)    **NM 55/2016**

**Move**     **Q(9)15s Jurong Empat** from:    1°16.13'N    103°39.22'E  
to:    1°15.90'N    103°39.22'E

(Maritime and Port Authority of Singapore)    **NM 56/2016**

**Delete**     **Fl.Y.4s**    1°16.51'N    103°39.59'E

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

NIL

### III NAVIGATIONAL INFORMATION

#### \*(NM 57/2016) 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-notices>

PMN No.	Subject
73/2016	Reclamation and soil investigation works off Tuas
74/2016	Mooring and unmooring of vessels off Jurong Island, off Temasek Fairway
77/2016	Works at Tuas Terminal phase 1
80/2016	Dredging work off western end of Jurong Island

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PMC No.	Subject
10/2016	Revision to the Pre – Arrival Notification (PAN)
11/2016	Enhancements to the Maritime Singapore – Green Initiative - Green Port Programme
12/2016	Funding scheme for 4G/LTE wireless broadband within port waters for one year

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#### \*(NM 58/2016) 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 59/2016) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2016/2017”

#### CHARACTERISTICS OF AIDS TO NAVIGATION

1. Page 134

##### TEMASEK FAIRWAY

**Amend** the following:

Name Of Beacon/Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
Jurong Empat Buoy	<b>01°15-895'</b> <b>103°39-216'</b>	Double black cones topmark point to point on yellow black yellow pillar	Q(9)W.15s	M/S Diap-Shap JV

2. Page 136

##### WEST JURONG CHANNEL

**Delete** the following:

Name Of Beacon/Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
STOLT WJ-1 Buoy	01°16-455' 103°39-625'	Yellow pillar with 'X' topmark	Fl.Y.4s	Stolthaven
STOLT WJ-2 Buoy	01°16-511' 103°39-585'	Yellow pillar with 'X' topmark	Fl.Y.4s	Stolthaven

\*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.

### TT327

SAFE WATER MARK BUOY LFL.10S IN POSITION 01-03.01N 103-39.00E HAS BEEN REMOVED FOR MAINTENANCE.

### TT328

RACON DELTA BUOY Q(6)LFL.15S IN POSITION 01-03.781N 103-38.77E HAS BEEN REMOVED FOR MAINTENANCE.

### TT337

CS ASEAN EXPLORER IS CARRYING OUT CABLE FAULT REPAIR IN THE TSS WESTBOUND LANE APPROXIMATELY SOUTH OF TG AYAM FROM 27 JULY 16 TO 02 AUG 16  
POSITION OF COORDINATES:

A	01-17.827N	104-12.061E
B	01-18.341N	104-14.394E
C	01-18.148N	104-14.446E
D	01-17.636N	104-12.128E
PT1	01-17.735N	104-12.093E
PT2	01-18.221N	104-14.425E
STANDBY POSN	01-18.494N	104-13.124E
EST FAULT	01-17.977N	104-13.249E

### TT340

CS DURABLE IS CARRYING OUT CABLE FAULT REPAIR IN THE TSS WESTBOUND LANE SOUTH OF RAMUNIA SHOAL FROM 29 JULY 2016 TO 7 AUG 2016.  
POSITION OF COORDINATES:

A	01-24.162N	104-23.378E
B	01-23.502N	104-24.010E
C	01-21.648N	104-21.910E
D	01-22.027N	104-21.427E
E	01-22.095N	104-22.049E
FAULT	01-22.822N	104-22.706E

ALL VESSELS ARE ADVISED KEEP A SHARP LOOK OUT, NAVIGATE WITH CAUTION AND GIVE A WIDE BERTH WHEN PASSING THE OPERATION AREA.

**IV**  
**REPRINT OF RADIO NAVIGATIONAL WARNINGS**

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 28<sup>th</sup> Jul 2016)

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

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

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

NIL

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Updated to Admiralty Notices to Mariners Edition No. 30 of 2016 dated 28<sup>th</sup> July 2016.

## **SINGAPORE ENC DISTRIBUTORS**

<b>ENC DISTRIBUTOR</b>	<b>ADDRESS</b>	<b>TEL/FAX /EMAIL/WEBSITE</b>
ChartWorld GmbH	Atlantic Haus, Zirkusweg 1 D-20359 Hamburg Germany	Tel: +49 40 853 58 6942 Fax: +49 40 853 58 6949 Email: sales@chartworld.com
ChartWorld Asia Pacific Pte Ltd.	Frontech Centre 07-01 15 Jalan Kilang Barat Singapore 159357	Tel: +65 6513 3500  Website: <a href="http://www.chartworld.com">http://www.chartworld.com</a> <a href="http://www.ecdis-as-a-service.com">http://www.ecdis-as-a-service.com</a>
Global Navigation Solutions Pte Ltd	2 Boon Leat Terrace #05-02/03/04, Harbourside Building 2 Singapore 119844	Tel: +65 6270 4060 Fax: +65 6276 3858 Email: sg.info@gnsworldwide.com Website: <a href="http://www.gnsworldwide.com">www.gnsworldwide.com</a>
Maritime Information Systems (MARIS)	52, Telok Blangah Road #01-06 Telok Blangah House Singapore 058809	Tel: +65 6276 1472 Fax: +65 6276 1473 Email: : support@maris.sg Website: <a href="http://www.maris.no">http://www.maris.no</a>
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Transas Marine Pacific Pte Ltd	Cyber Centre 16/18 Jalan Kilang Barat Off Jalan Bukit Merah Singapore 159358	Tel: +65 6271 0200 Fax: +65 6271 7300 Email: navigation.asia@transas.com Website: <a href="http://www.transas.com">http://www.transas.com</a>
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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 : .....