



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.

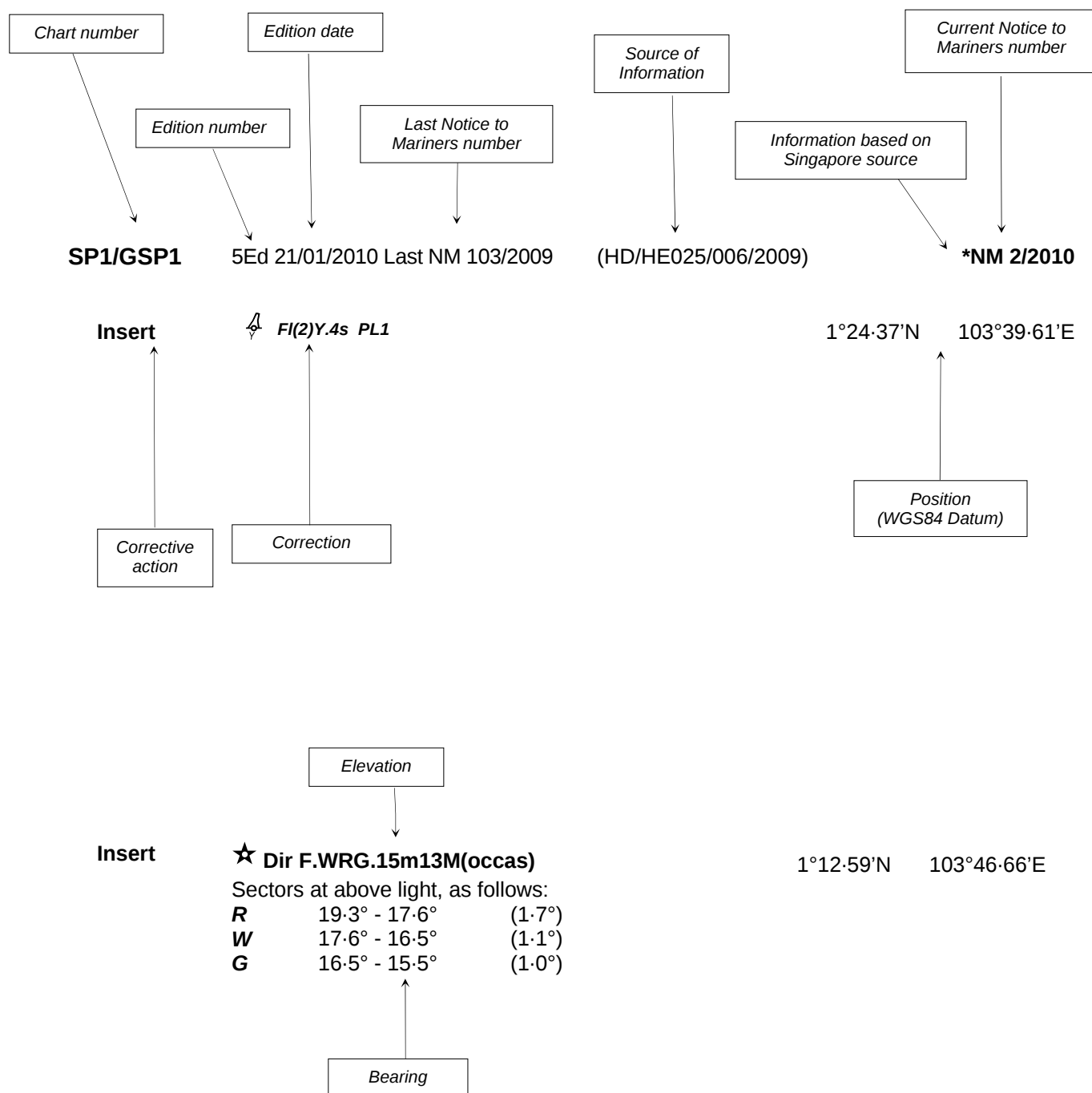
The Chief Hydrographer of
Maritime and Port Authority of Singapore
wishes all users of Singaporean and Dual Badged Charts

**A BLESSED GOOD FRIDAY
and
A SAFE VOYAGE**

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Maritime and Port Authority of Singapore
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Singapore 119963
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Fax: (65) 6278 7646

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 1T/2010**).
P indicates a Preliminary Notice (eg. ***NM 3P/2010**).
- 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

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*Denotes information are based on Singaporean source.

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INDEX OF CHARTS AND PUBLICATIONS

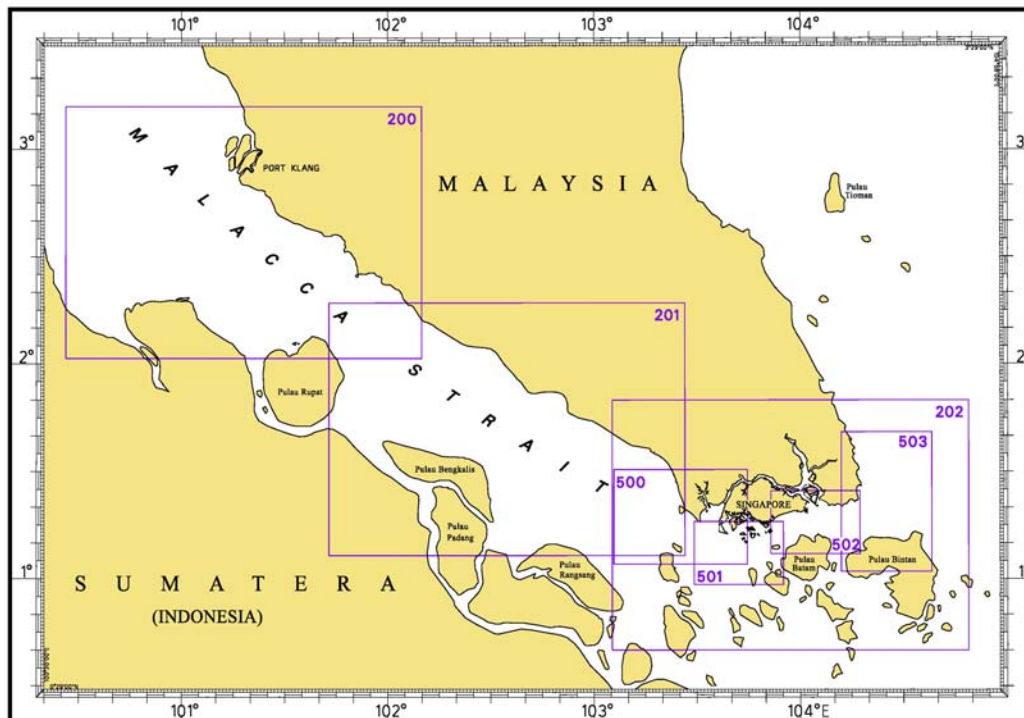
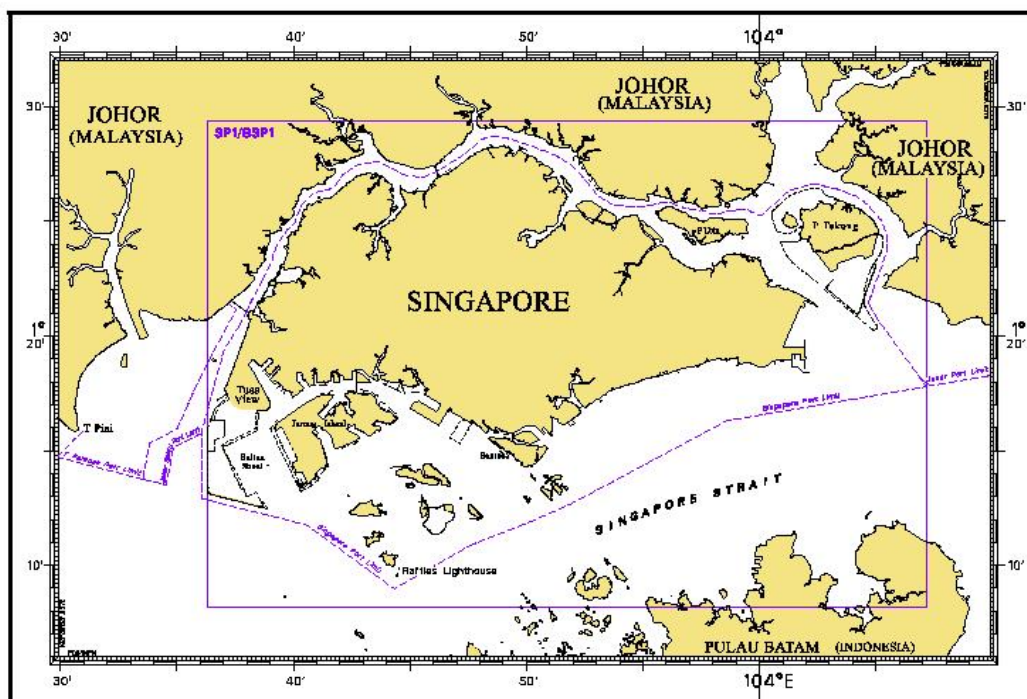
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* Denotes information are based on Singaporean source.

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INDEX OF CHARTS AND PUBLICATIONS

INDEX OF SINGAPOREAN CHARTS



Notes:

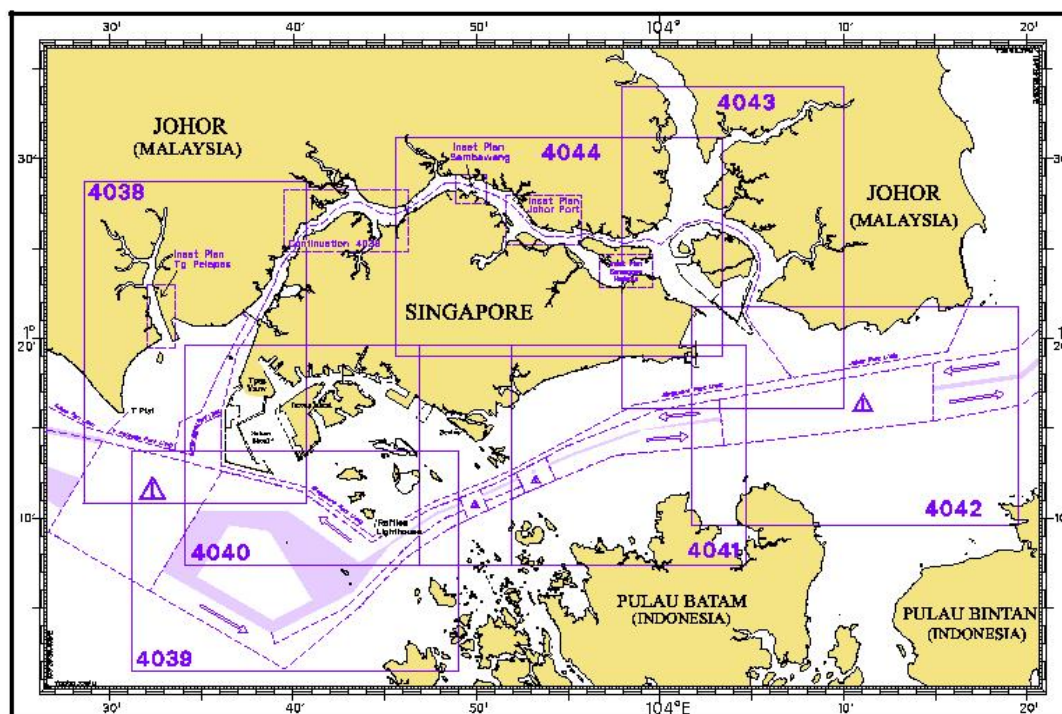
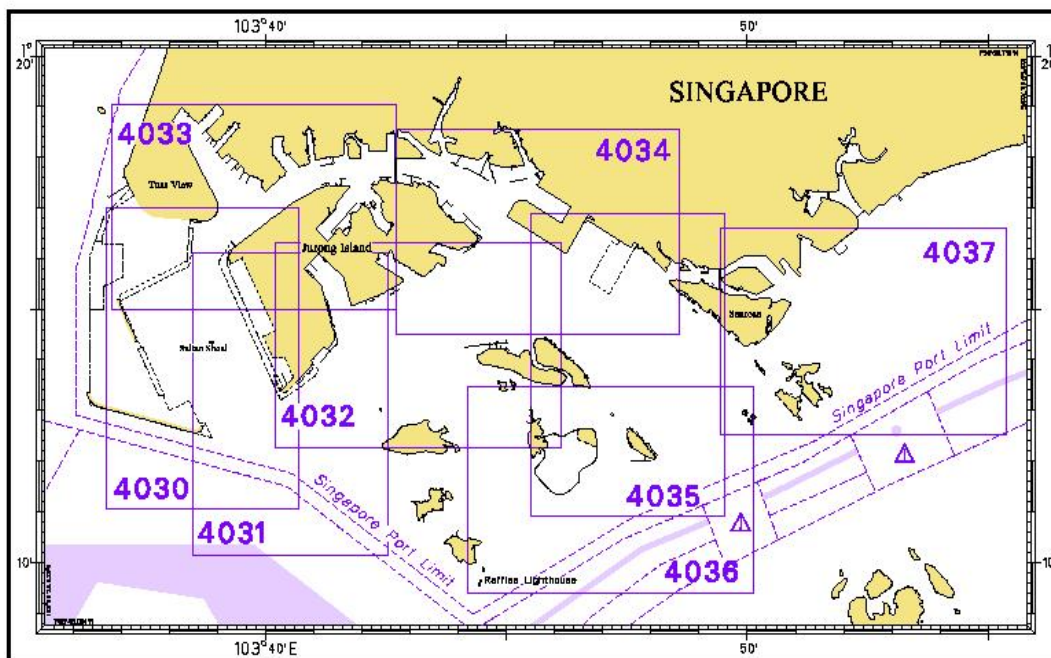
Updated SINGAPOREAN Charts are available through our Print-On-Demand (POD) Chart Service. For more information, refer to Section III – Navigational Information and these charts can be purchased from our authorised Chart Agents:

DPM (Singapore) Pte Ltd, E.W. Liner Charts & Publications Pte Ltd and Motion Smith.

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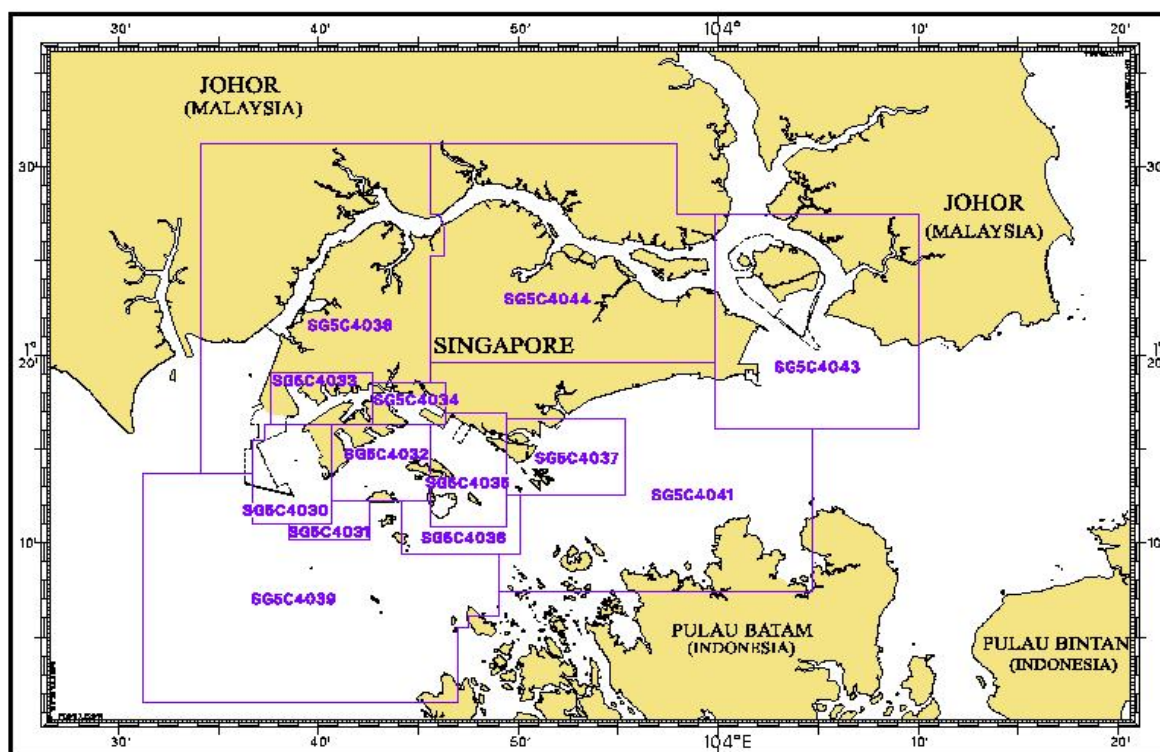
INDEX OF DUAL BADGED CHARTS



I

INDEX OF CHARTS AND PUBLICATIONS

INDEX OF SINGAPORE ELECTRONIC NAVIGATIONAL CHARTS (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 103°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 4TH MARCH 2010

Chart Number	:	4032
Title	:	Port of Singapore Sinki Fairway
Coverage	:	Lat 01° 12.25' N 01° 16.30' N Long 103° 40.20' E 103° 46.13' E
Scale	:	1: 10 000
Date Published	:	4 th March 2010
Size of Chart	:	1100.0 x 746.4 mm
Remarks	:	This new edition includes updated surveys covering these areas: • North and West of Pulau Bukom • Part of Banyan Basin • Sakra Basin • East Jurong Channel • Selat Pauh • Selat Sinki • Selat Pandan • Approaches to VLCC Jetties

The existing chart of the same number published on 22nd May 2008 is superseded.

Chart Number	:	4033
Title	:	Port of Singapore Tuas Bay, West Jurong Channel and Pesek Basin
Coverage	:	Lat 01° 15.00' N 01° 19.05' N Long 103° 36.80' E 103° 42.70' E
Scale	:	1: 10 000
Date Published	:	4 th March 2010
Size of Chart	:	1094.4 x 746.4mm
Remarks	:	This new edition includes updated surveys covering these areas: • Temasek Fairway • West Jurong Channel • Benoi Basin • Northern Tuas Basin • Gul Basin • Approaches to Tuas Prohibited area • East Samulun Basin

The existing chart of the same number published on 22nd May 2008 is superseded.

II NEW PUBLICATIONS

NEW EDITION DUAL BADGED CHARTS PUBLISHED ON 25TH MARCH 2010

Chart Number	:	4030
Title	:	Port of Singapore – West Jurong Anchorages and Temasek Fairway
Coverage	:	Lat 01° 11.05' N 01° 17.00' N Long 103° 36.70' E 103° 40.70' E
Scale	:	1: 10 000
Date Published	:	25 th March 2010
Size of Chart	:	742.0 x 1096.5 mm
Remarks	:	This new edition includes updated surveys covering these areas: • Temasek Fairway • West Jurong Anchorages • West Jurong Channel • Sinki Fairway • Sultan Shoal Lighthouse

The existing chart of the same number published on 22nd May 2008 is superseded.

Chart Number	:	4031
Title	:	Port of Singapore – Western Approaches to Jurong Island
Coverage	:	Lat 01° 10.15' N 01° 16.12' N Long 103° 38.50' E 103° 42.53' E
Scale	:	1: 10 000
Date Published	:	25 th March 2010
Size of Chart	:	747.5 x 1100.2mm
Remarks	:	This new edition includes updated surveys covering these areas: • Temasek Fairway • Sultan Shoal Lighthouse • Sinki Fairway • Raffles Shoal

The existing chart of the same number published on 22nd May 2008 is superseded.

II NEW PUBLICATIONS

NEW EDITION DUAL BADGED CHARTS TO BE PUBLISHED ON 8TH APRIL 2010

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	:	8 th April 2010
Size of Chart	:	1094.3 x 746.3 mm
Remarks	:	This new edition includes updated surveys covering these areas: • West of Cyrene Reef • East Jurong Channel • Approaches to Pasir Panjang Ferry Terminal

The existing chart of the same number published on 8th Oct 2009 is superseded.

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	:	8 th April 2010
Size of Chart	:	749.4 x 1105.7mm
Remarks	:	This new edition includes updated surveys covering these areas: • Approaches to Pasir Panjang Ferry Terminal • Shell SBM Area • East Jurong Channel • West of Brani Causeway

The existing chart of the same number published on 8th Oct 2009 is superseded.

II NEW PUBLICATIONS

NEW EDITION SINGAPOREAN CHART PUBLISHED ON 1ST APRIL 2010

Chart No.	:	503
Title	:	Eastern Approaches and Entrance To Singapore Strait
Coverage	:	Lat 1° 02·00' N 1° 41·06' N Long 104° 11·89' E 104° 38·17' E
Scale	:	1: 75 000
Date Published	:	1 st April 2010
Size of Chart	:	649.9 x 960.0 mm
Remarks	:	This new edition includes new submarine cables and updated surveys around Pedra Branca.

The existing chart of the same number published on 25th September 2008 is superseded.

II NOTICES TO MARINERS AND CHART CORRECTIONS

SP1/GSP1	5Ed 21/01/10 Last NM 21/2010	(Peninsular Malaysia Marine Dept. Notice 12/2010)	NM 31/2010
Insert	 FI(2)6s19m7M Malang Berendam	1°21.48'N	104°05.35'E
		(HD/HY/A00112309)	*NM 32/2010
Delete	 Wk	1°15.84'N	103°54.71'E
		(HD/HY/A00112409)	*NM 33/2010
Delete	 Wk	1°15.50'N	103°54.75'E
	 Obstn	1°15.95'N	103°54.82'E

201	3Ed 5/10/07 Last NM 11/2010	(Admiralty Notice 10/1224/2010)	NM 34/2010
Amend	light to, FI.R.3s12m5M	1°44.76'N	102°55.56'E
Delete	legend '(occas)'	1°44.76'N	102°55.56'E
		(Peninsular Malaysia Marine Dept. Notice 9/2010)	NM 35/2010
Delete	 FI(2)10s	1°58.06'N	102°14.35'E

202	6Ed 24/09/09 Last NM 23/2010	(Admiralty Notice 9/1107/2010)	NM 36/2010
Insert	 FI.Y.3s	1°01.88'N	103°35.60'E
	 FI.Y.1,5s	1°01.00'N	103°34.75'E
	 FI.Y.2s	1°01.00'N	103°37.75'E
		(Chart 503 Published 1.4.2010)	*NM 37/2010
Insert	the accompanying block, showing amendments to depths and contours centred on:	1°18.60'N	104°24.90'E

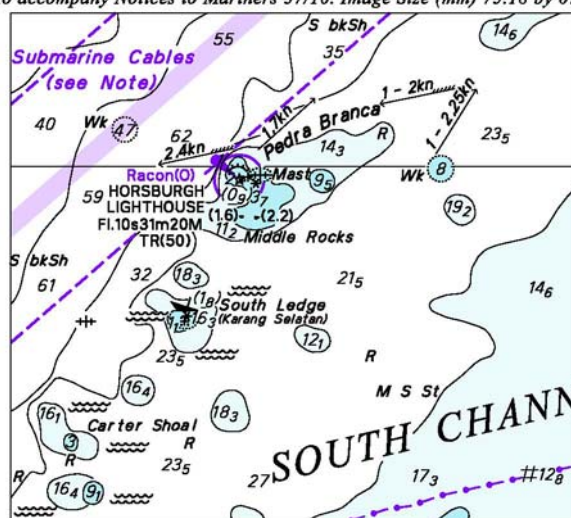
501	5Ed 24/09/09	(Admiralty Notice 9/1107/2010)	NM 36/2010
Insert	 FI.Y.3s	1°01.88'N	103°35.60'E
	 FI.Y.1,5s	1°01.00'N	103°34.75'E
	 FI.Y.2s	1°01.00'N	103°37.75'E

II NOTICES TO MARINERS AND CHART CORRECTIONS

		(HD/HY/A00112309)		*NM 32/2010
Delete			1°15-84'N	103°54-71'E
		(HD/HY/A00112409)		*NM 33/2010
Delete			1°15-50'N	103°54-75'E
			1°15-95'N	103°54-82'E

502	4Ed 25/09/08 Last NM 12/2010	(Peninsular Malaysia Marine Dept. Notice 12/2010)	NM 31/2010
Insert	 FI(2)6s19m7M Malang Berendam	1°21.48'N	104°05.35'E
		(HD/HY/A00112309)	*NM 32/2010
Delete	 <i>Wk</i>	1°15.84'N	103°54.71'E
		(HD/HY/A00112409)	*NM 33/2010
Delete	 <i>Wk</i>	1°15.50'N	103°54.75'E
	 <i>Obstn</i>	1°15.95'N	103°54.82'E

To accompany Notices to Mariners 37/10. Image Size (mm) 75.18 by 67.05



Block for Chart 202

II
TEMPORARY AND PRELIMINARY NOTICES

Nil

III NAVIGATIONAL INFORMATION

*(NM 38/2010) 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
22/2010	Dredging works at East Keppel Fairway.
24/2010	Soil investigation works off Tuas View.
25/2010	Underwater drilling and blasting works at Pasir Panjang Fairway.
26/2010	Dredging operations at Loyang Way.
29/2010	Construction of International Cruise Terminal at Marina South.
34/2010	Construction of sea wall at Marina Wharf.

*(NM 39/2010) 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 40/2010) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2010/2011”**

1. Page 148 – Item 16

Insert the following :

WHARVES AND BERTHS

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

Berth	Depth Alongside (Year Surveyed)	
	Delete	Insert
PAC-1	9.3m (2005)	8.5m (2009)

Source: Berth List (HD/HY Code E00105209)

2. Page 150 – Item 22

Insert the following :

JURONG ISLAND (OILTANKING (S) LTD) (1°16.8'N, 103°44.1'E)

Berth	Depth Alongside (Year Surveyed)	
	Delete	Insert
MJ1	14.8m (2005)	14.6m (2010)
MJ3	14.6m (2005)	14.5m (2010)
MJ4	14.9m (2001)	14.3m(2010)

Source: Berth List (HD/HY Code H00100410 and H00100310)

3. Page 150 - Item 23

Insert the following :

JURONG ISLAND (OILTANKING (S) LTD) (1°16.3'N, 103°44.3'E)

Berth	Depth Alongside (Year Surveyed)	
	Delete	Insert
11	14.4m (2002)	14.8m (2010)
12	13.4m (2002)	13.9m (2010)

Source: Berth List (HD/HY Code D00100310)

4. Page 152 - Item 29

JURONG ISLAND (SHELL CHEMICALS SERAYA PTE LTD) (1°16.2'N, 103°44.1'E)

Insert the following :

Berth	Depth Alongside (Year Surveyed)	
	Delete	Insert
1	15.1m (2000)	15.2m (2010)
2	15.7m (2000)	15.7m (2010)

Source: Berth List (HD/HY Code D00100210)

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, PULAU SERANGOON, 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 (AMENDED ON 270430z)

DREDGER QUEEN OF PENTA OCEAN IS CONDUCTING DREDGING OPERATIONS IN POSITIONS BOUNDED BY COORDINATES:

01°15.827' N 103°57.737' E

01°14.865' N 103°58.134' E

01°13.298' N 103°54.401' E

01°13.884' N 103°54.131' E

VESSELS ARE ADVISED TO PROCEED AT SAFE SPEED AND TO GIVE A WIDE BERTH.

TT753

A SMALL WOODEN CARGO BOAT 10M IN LENGTH SUNK AT 01°15.73'N 103°32.1'E.

TT851(AMENDED 080600UTC)

DREDGER QUEEN OF PENTA OCEAN IS CARRYING OUT DREDGING OPERATIONS FROM SINGAPORE PORT LIMITS INTO THE WESTBOUND LANE OF TSS OFF PEBGB. ALL VESSELS ARE ADVISED TO KEEP A LOOKOUT AND GIVE A WIDE BERTH.

TT854

DANGER TO NAVIGATION

A VESSEL HAD SUNK IN POSITION 01°26.3'N 104°38.5'E.

TT861

LOW LEVEL WATER SPRAYING EXERCISES IS BEING CARRY OUT BY HERCULES L100-30 AIRCRAFT OVER THE SEA EAST OF HORSBURGH LIGHTHOUSE FROM 0200UTC TO 0530UTC WITHIN THE FOLLOWING CO-ORDINATES:

A) 01°30'N 104°44'E

B) 01°30'N 105°24'E

C) 01°00'N 105°24'E

D) 01°00'N 104°44'E

VESSELS IN VICINITY ARE ADVISED NOT TO BE ALARMED.

SR154

THERE WAS A REPORT OF AN UNIDENTIFIED VESSEL SUNK SOUTHWEST OF HORSBURGH AT POSN 01°16.12'N 104°21.5'E. VESSELS IN THE VICINITY ARE ADVISED TO KEEP A LOOKOUT AND REPORT SIGHTING TO SPOCC.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE
(as at 28th March 2010)

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>

1106* SINGAPORE – Marina East and Jurong Island – Sinki Fairway – Cyrene Reefs Westwards – Light-beacon. Rock. Depths.

Source: Maritime and Port Authority of Singapore

Chart 4034 [*previous update 277/2010*] WGS84 DATUM

Substitute	+ (114) for + (116)	1° 15'·146N., 103° 44'·419E.
	depth 14 ₈ enclosed by 15m contour for depth 15 enclosed by 15m contour	1° 15'·552N., 103° 44'·298E.

Chart 4040 [*previous update 655/2010*] WGS84 DATUM

Substitute	+ (114) for + (116)	1° 15'·15N., 103° 44'·42E.
	depth 14 ₈ enclosed by 15m contour for depth 15 enclosed by 15m contour	1° 15'·55N., 103° 44'·30E.

Chart 4041 [*previous update 392/2010*] WGS84 DATUM

Amend	range of Amber light-beacon to, 5M	1° 17'· 87N., 103° 54'·35E.
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1107* INDONESIA – Sumatera – Selat Durian –Pulau Kepalajeri Westwards – Buoyage.

Source: Indonesian Notices 4/28-30/10

Chart 4039 [*previous update 5330/2009*] WGS84 DATUM

Insert	 Fl.Y.3s	1° 01'· 88N., 103° 35'·60E.
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1146* SINGAPORE – Kuala Johor – Angler Bank North-eastwards – Legend.

Source: mt Navig8 Malou & UKHO

Chart 4043 [*previous update New Edition 23/07/2009*] WGS84 DATUM

Amend	Legend to, 104° 03'E , centred on:	1° 21'· 07N., 104° 02'·82E.
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Updated to Admiralty Notices to Mariners Edition No. 12 of 2010 dated 25th March 2010.

SINGAPORE ELECTRONIC NAVIGATIONAL CHARTS (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
Kelvin Hughes(S) Pte Ltd	8 Pandan Avenue #02-00, Singapore 609384	Tel. No.: +65 6545 9880 ext.24 Fax No.: +65 6545 8892 Email: hamzah.akhbar@khsing.com Website: http://www.kelvinhughes.co.uk
Maritime Information Systems (MARIS)	52, Telok Blangah Road #01-06, Telok Blangah Centre, Singapore 058809	Tel. No.: +65 6276 1472 Fax No.: +65 6276 1473 Email: support@maris.sg Website: http://www.maris.no
Maritime Information System AS (MARIS)	Danholmen 25, 3128 Notteroy, Norway	Tel. No.: +47 33 30 42 50 Fax No.: +47 33 30 42 51 Email: roar.moe@maris.no Website: http://www.maris.no
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	750C Chai Chee Road, #04-07, Technopark@Chai Chee, Singapore 469003	Tel. No.: +65 6443 3061 Fax No.: +65 6443 3025 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
Marine Press of Canada	640 Rue St-Paul Quest, Suite 300 Montreal (QC) Canada, H3C1L9	Tel. No.: (514) 866 8342 Fax No.: (514) 866 9050 Email : sales@marinepress.com Website: http://www.marinepress.com
HanseNautic GmbH Bade & Hornig, Eckardt & Messtorff	Herrengaben 31 D-20459 Hamburg, Germany	Tel. No.: +49 40 374 811-32 Fax No.: +49 40 366 400 Email: wilde@hansenautic.de Website : http://www.HanseNautic.com
ChartWorld GmbH	Ruhrstrasse 90, D-22761 Hamburg, Germany	Tel. No.: +49 40 853 58 6940 Fax No.: +49 40 853 58 6949 Email: sales@chartworld.com Website : http://www.sevencs.com
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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. An acknowledgement of receipt will be sent. When a Notice to Mariners is 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
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
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 :