



SINGAPOREAN NOTICES TO MARINERS

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The monthly Notices to Mariners contain information required to keep charts and publications published by the Hydrographic Division, Maritime and Port Authority of Singapore up-to-date.

Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately of the discovery of new or suspected dangers to navigation, observed changes to aids to navigation and ways Singaporean Charts and Publications can be improved. The Hydrographic Note on the back page should be used for this purpose.

Detailed information of charts and publications (coverage of charts, latest editions and distributors) are available on the Maritime and Port Authority Website: www.mpa.gov.sg

The Chief Hydrographer of
The Maritime and Port Authority of Singapore
wishes all users

A HAPPY NEW YEAR

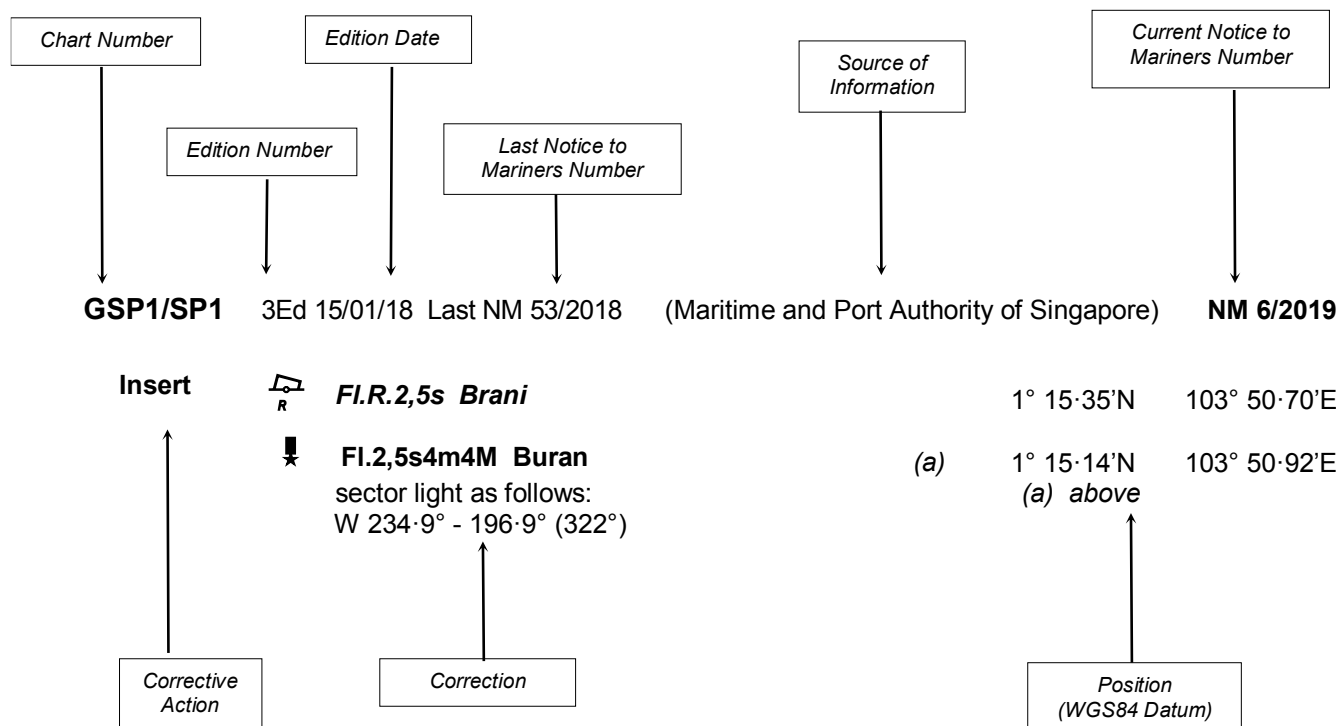
- [Singaporean Notice to Mariners](#)
- [Singaporean Charts](#)
- [Dual-Badged Charts](#)
- [Singapore ENC](#)
- [Malacca and Singapore Straits ENC](#)
- [Singapore Port Information](#)
- [Singapore Tide Tables](#)

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EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



Notes:

a) Notice to Mariners number followed by:

T indicates a Temporary Notice (eg. **NM 9T/2019**).

P indicates a Preliminary Notice (eg. **NM 10P/2019**).

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
AFFECTED CHARTS AND PUBLICATIONS

INDEX OF AFFECTED CHARTS

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Singapore Port Marine Notices/Circulars	*4	8
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*Source: Maritime and Port Authority of Singapore

I
AFFECTED CHARTS AND PUBLICATIONS

INDEX OF NOTICES

NOTICE NO.	DESCRIPTION	PAGE NO.
2	Singaporean Chart GSP1/SP1	4
3T	Temporary and Preliminary Notices	5 - 7
*4	Singapore Port Marine Notices/Circulars	8
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*Source: Maritime and Port Authority of Singapore

II

NOTICES TO MARINERS AND CHART CORRECTIONS

*(NM 1/2020) NUMERICAL INDEX TO NOTICES TO MARINERS OF 2019 (1 TO 117)





MONTH	NOTICES TO MARINERS NO.
JANUARY 2019	1 to 13
FEBRUARY 2019	14 to 22
MARCH 2019	23 to 39
APRIL 2019	40 to 53
MAY 2019	54 to 59
JUNE 2019	60 to 74
JULY 2019	75 to 80
AUGUST 2019	81 to 90
SEPTEMBER 2019	91 to 100
OCTOBER 2019	101 to 102
NOVEMBER 2019	103 to 112
DECEMBER 2019	113 to 117

CHART NO.	PUBLISHED	YEAR	NOTICES TO MARINERS NO.
GSP1, SP1	3 Ed 15/01/18	2019	02-03-14-23-24-25-26-27-40-60-61-76-81-82-83-91-92-93-94-95-96-102-103-104
200	4 Ed 1/09/15	2019	04-15-28-62-63-84
201	6 Ed 15/09/17	2019	05-16-29-41-42-64-77-85
202	8 Ed 15/09/16	2019	05-06-29-30-31-32-41-54-64-65-66-67-71-77-85-86-113
500	8 Ed 15/09/17	2019	05-06-17-29-30-33-41-77-83-85-91-92-95-96-
501	7 Ed 1/09/15	2019	26-30-33-83-91-92-95-96-102
502	8 Ed 12/09/19	2019	102-104
503	5 Ed 15/08/14	2019	31-54-66-67-71-113

II

NOTICES TO MARINERS AND CHART CORRECTIONS

GSP1/SP1 3 Ed 15/1/18 Last NM 104/2019 (Malaysia Marine Department Notice No. 184/2019) **NM 2/2020**

Delete	 <i>FI(2)R.5s</i>	1°26·66'N	104°02·79'E
Replace	 Neville Rock <i>FI(2)R.5s15m10M</i> , with  Ru	1°26·67'N	104°02·73'E
Insert	 Neville Rock <i>FI(2)R.5s15m10M</i>	1°26·66'N	104°02·64'E

II

TEMPORARY AND PRELIMINARY NOTICES

(NM 3T/2020) : JOINT HYDROGRAPHIC SURVEY IN STRAITS OF MALACCA AND SINGAPORE

Purpose : Hydrographic survey will be carried out in the Straits, in order to improve safe navigation and smooth uninterrupted passage in the Traffic Separation Scheme (TSS) of the Straits of Malacca and Singapore (STRAITREP Sector 1 to 3)

Overall survey period : From 26th January to 30th April 2020, daylight hours only

Survey vessel : SSE MAZU, Call Sign : E5U3714 (From 27th January to 29th April 2020)

Operation : This hydrographic survey will be carried out by means of multi-beam echo sounder with line spacing of around 100m at 5 to 8 knots within the TSS, and no towing-vehicle will be towed behind. This hydrographic survey will be implemented with two ways, back and forth along the TSS.

Survey areas : The survey in the Straits will be conducted in stages according to the planned survey period listed below at the Traffic Separation Scheme bounded by the following coordinates:

1.

	Coordinate of Survey area A-1	Latitude (N)	Longitude (E)	Planned Survey Period
A-1	A	3° 2' 38.458"	100° 48' 51.951"	27 th January 2020 to 1 st February 2020
	B	2° 52' 30.436"	100° 59' 55.956"	
	C	2° 52' 7.614"	100° 59' 36.689"	
	D	3° 1' 48.565"	100° 48' 15.665"	

	Coordinate of Survey area A-4	Latitude (N)	Longitude (E)	Planned Survey Period
A-4	A	2° 52' 30.436"	100° 59' 55.956"	2 nd February 2020 to 12 th February 2020
	B	2° 48' 23.987"	101° 7' 33.790"	
	C	2° 46' 19.753"	101° 6' 24.183"	
	D	2° 52' 7.614"	100° 59' 36.689"	

	Coordinate of Survey area A-6	Latitude (N)	Longitude (E)	Planned Survey Period
A-6	A	2° 46' 51.535"	101° 10' 10.622"	12 th February 2020 to 24 th February 2020
	B	2° 41' 29.017"	101° 19' 40.028"	
	C	2° 40' 21.074"	101° 19' 8.098"	
	D	2° 45' 48.185"	101° 9' 29.790"	

II

TEMPORARY AND PRELIMINARY NOTICES

	Coordinate of Survey area A-7	Latitude (N)	Longitude (E)	Planned Survey Period
A-7	A	2° 41' 17.406"	101° 20' 3.203"	24 th February 2020 to 2 nd March 2020
	B	2° 39' 47.860"	101° 22' 50.375"	
	C	2° 37' 43.897"	101° 21' 44.160"	
	D	2° 39' 9.173"	101° 18' 57.498"	

	Coordinate of Survey area A-8	Latitude (N)	Longitude (E)	Planned Survey Period
A-8	A	2° 36' 15.363"	101° 23' 37.691"	2 nd March 2020 to 16 th March 2020
	B	2° 35' 7.868"	101° 25' 48.614"	
	C	2° 32' 20.634"	101° 29' 15.706"	
	D	2° 30' 21.667"	101° 27' 48.582"	
	E	2° 33' 49.394"	101° 23' 20.758"	
	F	2° 34' 12.201"	101° 22' 35.101"	

	Coordinate of Survey area A-9	Latitude (N)	Longitude (E)	Planned Survey Period
A-9	A	2° 33' 20.389"	101° 32' 53.343"	16 th March 2020 to 23 rd March 2020
	B	2° 29' 49.155"	101° 37' 24.008"	
	C	2° 30' 10.728"	101° 33' 13.316"	
	D	2° 31' 32.015"	101° 31' 28.366"	

	Coordinate of Survey area A-10	Latitude (N)	Longitude (E)	Planned Survey Period
A-10	A	2° 25' 48.567"	101° 35' 13.397"	24 th March 2020 to 25 th March 2020
	B	2° 24' 21.573"	101° 37' 0.757"	
	C	2° 23' 37.072"	101° 36' 22.464"	
	D	2° 25' 2.524"	101° 34' 35.878"	

	Coordinate of Survey area A-11	Latitude (N)	Longitude (E)	Planned Survey Period
A-11	A	2° 27' 14.571"	101° 41' 6.840"	26 th March 2020 to 2 nd April 2020
	B	2° 25' 31.610"	101° 43' 7.906"	
	C	2° 23' 0.511"	101° 41' 9.309"	
	D	2° 23' 51.011"	101° 40' 5.398"	
	E	2° 25' 50.777"	101° 40' 4.960"	

II

TEMPORARY AND PRELIMINARY NOTICES

A-14	Coordinate of Survey area A-14	Latitude (N)	Longitude (E)	Planned Survey Period
	A	2° 23' 51.011"	101° 40' 5.398"	3 rd April 2020 to 29 th April 2020
	B	2° 14' 13.350"	101° 52' 16.259"	
	C	2° 13' 38.824"	101° 48' 55.100"	
	D	2° 20' 43.353"	101° 40' 5.534"	

2. Charts affected: Singaporean 200, 201
3. ENC's affected: MS3OF2TT, MS3RS2FC
4. Mariners are advised to navigate with caution and give a wide berth.
5. Navigational warning broadcast will be promulgated by NAVTEX and Klang VTS on VHF CH 66/16 for sector 1, CH 88/16 for sector 2, CH 84/16 for sector 3 and CH 61/16 for sector 4, respectively. Mariners are to maintain a listening watch.

Source: Aero Asahi Corporation, Japan (SCOPE OF WORKS FOR PHASE 2 OF THE JOINT HYDROGRAPHIC SURVEY OF THE STRAITS OF MALACCA AND SINGAPORE (THE "JOINT HYDROGRAPHIC SURVEY")).

III NAVIGATIONAL INFORMATION

*(NM 4/2020)

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>

PMC No.**Subject**

19/2019	Change to pre-arrival notification (PAN)
20/2019	Complying with rules for vessels navigating through the Straits of Malacca and Singapore
21/2019	Enhancements and extension of the Maritime Singapore Green Initiative - Green Port Programme
22/2019	Extension of port dues incentive programmes on the use of LNG as marine fuel in the port of Singapore
23/2019	Maritime welfare fee concession
24/2019	Maritime and Port Authority of Singapore revokes Inter-Pacific Petroleum Pte Ltd's bunker supplier licence

PMN No.**Subject**

117/2019	Works at Tuas Terminal phase 2
119/2019	Works off south of Marine East
120/2019	Cable laying works in the East Johor Strait
121/2019	Construction of outfall structure and installation of silt curtains off Changi East Staging Ground
123/2019	Works at Woodlands Waterfront park jetty
124/2019	Works at Vopak Terminal (Pulau Sebarok)
126/2019	Dredging works off Pasir Panjang Terminal
127/2019	Reclamation works at Ayer Merbau Basin
128/2019	Installation of floating sea barrier off Sentosa Cove
129/2019	Transport of sand material to stockpile area and soil investigation works at Tuas View Extension

Source: Maritime and Port Authority of Singapore

III AMENDMENTS TO PUBLICATIONS

*(NM 5/2020) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2018/2019”

CHARACTERISTICS OF AIDS TO NAVIGATION

EAST KEPPEL FAIRWAY

1. Page 146

Amend the following:

Name of Beacon/ Buoy	Position Lat. N Long. E	Structure, Colour & Shape	Light Characteristic	Owner
Outer Shoal Beacon	01°15·015' 103°51·808'	Green triangle on green tubular tower pivoted at base, Buoyant beacon	Fl.G.5s8m5M	MPA

Source: Maritime and Port Authority of Singapore

APPROACHES TO TANJONG BELUNGKOR

2. Page 152

Amend the following:

Name of Beacon/ Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
Neville Rock Beacon	01°26·66' 104°02·64'	Red (Day Mark) on white column with 'NR' mark	Fl(2)R.5s15m10M	-

IV

REPRINT OF MARITIME SAFETY INFORMATION

The following Maritime Safety Information 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 COLREGS, 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.

TT363 (AMENDED ON 140821UTC APRIL 2019).

MARINERS ARE REMINDED NOT TO ANCHOR IN ALL AREAS IN THE TSS, INCLUDING PRECAUTIONARY AREAS OF THE STRAITS OF MALACCA AND SINGAPORE AS WELL AS BETWEEN THE LANDWARD LIMITS OF THE TSS AND APPROACHES TO THE PORTS. VESSELS ENTERING ANY PORT IN ANY LITTORAL STATES ARE TO ANCHOR IN THE ANCHORAGES DESIGNATED BY THE RESPECTIVE LITTORAL STATES. MARINERS ARE ALSO REMINDED THAT EVERY CARE SHOULD BE TAKEN TO AVOID ANCHORING IN THE VICINITY OF SUBMARINE CABLES OR PIPELINES.

TT399

VESSELS ARRIVING TO SINGAPORE OR TRANSITING THROUGH THE STRAIT ARE RECOMMENDED TO UPDATE THEIR DESTINATION ACCURATELY IN THE AIS TO ENHANCE SITUATIONAL AWARENESS FOR OTHER TRAFFIC IN THE VICINITY. EG: SG-PEBGB FOR PILOT EASTERN BOARDING GROUND BRAVO.

TT418

WEST BOUND DEEP DRAFT VESSELS AND VLCCS ARE REMINDED TO COMPLY WITH THE RULES OF VESSELS NAVIGATING THROUGH THE STRAITS OF MALACCA AND SINGAPORE (SOMS). THEY SHALL ALLOW FOR AN UKC OF AT LEAST 3.5 METRES AT ALL TIMES DURING THE ENTIRE PASSAGE THROUGH THE SOMS AND AS FAR AS IT IS SAFE AND PRACTICABLE, PROCEED AT A SPEED OF NOT MORE THAN 12 KTS OVER THE GROUND IN THE WESTBOUND LANE OF THE SINGAPORE STRAIT (BETWEEN SOUTH OF ST JOHN'S ISLAND & RAFFLES LIGHTHOUSE). THEY ARE ADVISED TO BROADCAST, 8 HOURS BEFORE ENTERING THE TSS, NAVIGATIONAL INFORMATION GIVING NAME, DEADWEIGHT, DRAUGHT, SPEED AND TIMES OF PASSING HORSBURGH LIGHTHOUSE AND RAFFLES LIGHTHOUSE.

TT426

ALL MARINERS ARE REMINDED TO NAVIGATE WITH CAUTION IN THE PRECAUTIONARY AREAS AND TSS, MAINTAIN A GOOD LOOKOUT FOR CROSSING TRAFFIC. VESSELS INTENDING TO CROSS THE TSS SHALL DO SO ONLY WHEN IT IS SAFE AND SHALL AT ALL TIMES COMPLY WITH THE COLREGS.

TT440

A NUMBER OF UNKNOWN VESSELS ARE OBSERVED ANCHORED IN THE TSS/PRECAUTIONARY AREA SOUTH OF TG. RAMUNIA AT APPROXIMATE POSITION LAT 01°17.91'N LONG 104°14.92'E. ALL VESSELS ARE ADVISED TO KEEP A GOOD LOOK OUT AND PROCEED WITH CAUTION WHEN PASSING THIS AREA IN THE SINGAPORE STRAIT.

TT580

TK (Takong KL) ISOLATED DANGER BUOY IN POSITION LAT 01°05.8'N LONG 103°43.6'E UNLIT. MARINERS ARE ADVISED TO NAVIGATE WITH CAUTION.

TT582

CABLE VESSEL ASEAN PROTECTOR IS CARRYING OUT CABLE LAYING WORKS FROM SOUTH OF TUAS VIEW EXTENSION AND INTO THE TSS AND PRECAUTIONARY AREA OF SECTOR 7 (VTIS WEST) OF THE SINGAPORE STRAIT FROM 09 OCT 2019 to 28 MAR 2020. VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

TT590

THE SEMAPHORE TOWER "X" LIGHT AT RAFFLES LIGHTHOUSE IS UNDER MAINTENANCE. MARINERS ARE TO NAVIGATE WITH CAUTION.

TT592

SAFE WATER MARK BUOY (LFL. 10s) IN POSITION LAT 01°03.00'N LONG 103°39.03'E SOUTH OF RACON D, MARKING THE ENTRANCE TO THE DEEP WATER ROUTE IS REPORTED OUT OF POSITION. ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION.

IV

REPRINT OF MARITIME SAFETY INFORMATION

TT606 (AMENDED ON 060715UTC DECEMBER 2019).

2 REPORTS OF UNAUTHORISED BOARDING ON 030210LT DECEMBER 2019 IN POSITION LAT 01°10.95'N LONG 103°56.63'E AND 061110LT DECEMBER 2019 IN POSITION LAT 01°10.75'N LONG 103°50.75'E. ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

TT607

2 REPORTS OF UNAUTHORISED BOARDING ON 202325LT DECEMBER 2019 IN POSITION LAT 01°15.70'N LONG 104°04.80'E AND 202338LT DECEMBER 2019 IN POSITION LAT 01°15.34'N LONG 104°03.17'E. ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

TT608

REPORT OF UNAUTHORISED BOARDING ON 210532LT DECEMBER 2019 IN POSITION LAT 01°13.95'N LONG 103°59.98'E. ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

TT609

RACON D BEACON LIGHT REPORTED UNLIT. MARINERS ARE ADVISED TO NAVIGATE WITH CAUTION.

TT610

REPORT OF UNAUTHORISED BOARDING ON 22 DECEMBER 2019 AT APPROX 1400LT IN POSITION LAT 01°14.9'N LONG 104°07.183'E . ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

TT611

2 REPORTS OF UNAUTHORISED BOARDING ON 230012 LT DECEMBER 2019 IN POSITION LAT 01°15.517'N LONG 104°07.80'E AND ON 230141 LT DECEMBER 2019 IN POSITION LAT 01°15.717'N LONG 104°08.330'E. ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

TT612

WEST TEKONG BUOY AT POSITION LAT 01°25.45'N LONG 104°00.43'E IS UNRELIABLE. RECTIFICATION WORKS IS IN PROGRESS.

TT614

REPORT OF UNAUTHORISED BOARDING ON 25 DECEMBER 2019 AT 0028LT IN POSITION LAT 01°08.90'N LONG 103°30.22'E . ALL VESSELS PASSING THE VICINITY ARE REQUESTED TO MAINTAIN A GOOD ANTI PIRACY WATCH.

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 THE MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 04 OF 2013 DATED 7 MAY 2013.

SR123 (AMENDED ON 170105UTC APRIL 2019).

ALL VESSELS ARE ADVISED TO MAINTAIN A CONSTANT VISUAL AND RADAR WATCH FOR SMALL CRAFT AND REPORT ANY SUSPICIOUS ACTIVITIES IN THE SINGAPORE STRAIT TO VTIS SINGAPORE.

ISSUED BY SINGAPORE PORT OPERATIONS CONTROL CENTRE (as at 31st December 2019)

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>

6642 **SINGAPORE STRAIT - Wrecks.**

Source: Directorate General of Sea Communication Indonesia

Chart 4041 [*previous update 6511/19*] WGS84 DATUM

Delete



1° 12·87'N, 103° 54·96'E

1° 12·39'N, 103° 54·15'E

Update to Admiralty Notices to Mariners No. 52 of 2019 dated 26th December 2019

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

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 :

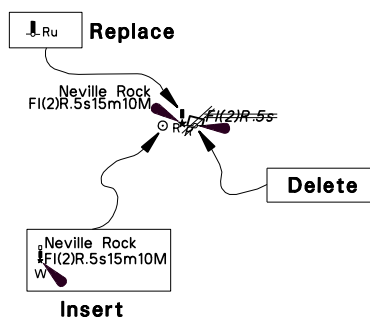
Type of Position Fixing : GPS / DGPS Others :

Type of Echo Sounder :

Name and Signature :

Ship's/Company's Stamp :

104°05'



1°25'N

CORRECTION NO.	SNM EDN NO.	LAST CORR NO.	CHART NO.	Location on Chart		
						X
2/2020	1/2020	104/2019	GSP1/SP1			

Caution: some computer printers might distort the tracings.
Users are advised to check and, if necessary, adjust settings on the printer