



## 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 Department, 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](http://www.mpa.gov.sg)

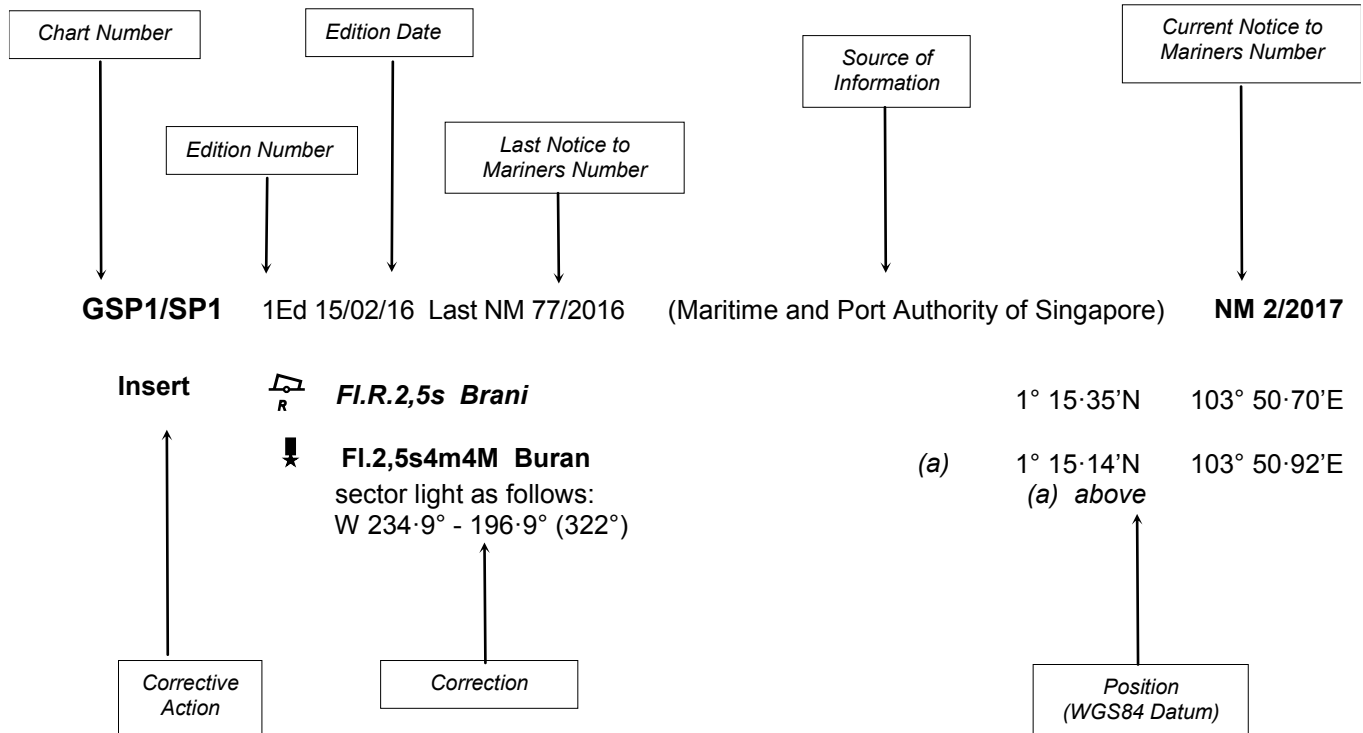
- [Singaporean Notice to Mariners](#)
- [Singaporean Charts](#)
- [Dual-Badged Charts](#)
- [Singapore ENC](#)
- [Malacca and Singapore Straits ENC](#)
- [Singapore Port Information](#)
- [Singapore Tide Tables](#)

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## EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



### Notes:

- Notice to Mariners number followed by:  
**T** indicates a Temporary Notice (eg. **NM 3T/2017**).  
**P** indicates a Preliminary Notice (eg. **NM 4P/2017**).
- 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  
**AFFECTED CHARTS AND PUBLICATIONS**

**INDEX OF AFFECTED CHARTS**

DESCRIPTION	NOTICE NO.	PAGE NO.
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Singapore Tide Tables 2018	-	6 to 8
Singaporean Chart GSP1/SP1	*79, *80	9
Singaporean Chart 200	81	9
Singaporean Chart 202	82	9
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Temporary and Preliminary Notices	83T, *84T	10
Singapore Port Marine Notices/Circulars	*85	11
Amendments to Publications	*86	12 to 15
Reprint of Maritime Safety Information	-	16, 17
Extract of Admiralty Notices to Mariners for Dual-Badged Charts	-	18 to 21

\*Source: Maritime and Port Authority of Singapore

I  
**AFFECTED CHARTS AND PUBLICATIONS**

**INDEX OF NOTICES**

<b>NOTICE NO.</b>	<b>DESCRIPTION</b>	<b>PAGE NO.</b>
-	New Charts and Publications	3 to 5
-	Singapore Tide Tables 2018	6 to 8
*79, *80	Singaporean Chart GSP1/SP1	9
81	Singaporean Chart 200	9
82	Singaporean Chart 202	9
*79	Singaporean Chart 501	9
*80	Singaporean Chart 502	9
83T, *84T	Temporary and Preliminary Notices	10
*85	Singaporean Port Marine Notices/Circulars	11
*86	Amendment to Publications	12 to 15
-	Reprint of Maritime Safety Information	16, 17
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\*Source: Maritime and Port Authority of Singapore

## II NEW CHARTS AND PUBLICATIONS

### NEW EDITION CHART PUBLISHED ON 31<sup>ST</sup> AUGUST 2017

<b>Chart Number</b>	:	CHARTS FOR SMALL CRAFT
<b>Title</b>	:	Singapore Port Waters and Approaches - 2017/2018 Edition
<b>Date to be published</b>	:	31 <sup>st</sup> August 2017
<b>Size of Chart</b>	:	600·0 x 400·0 mm
<b>Description</b>	:	The publication contains 12 Small Craft Charts and related nautical information bound into an atlas. The symbols, abbreviations and term depicted on these charts are consistent with the International Hydrographic Organization Chart Standards and Specifications.



Symbols for the locations of pleasure craft facilities and areas for sea sport activities such as board sailing, dinghy sailing, keelboat sailing, power-boating and water-skiing are also included and highlighted in red.

Chart of the same publication Edition 2016 published on 4<sup>th</sup> January 2016 has been superseded.

## II NEW CHARTS AND PUBLICATIONS

### NEW EDITION SINGAPOREAN CHARTS TO BE PUBLISHED ON 15<sup>TH</sup> SEPTEMBER 2017

<b>Chart Number</b>	:	201
<b>Title</b>	:	Malacca Strait Tanjung Keling to Western Entrance of Singapore Strait
<b>Coverage</b>	:	Lat 01° 06·43' N      02° 16·99' N Long 101° 42·91' E      103° 26·45' E
<b>Scale</b>	:	1 : 200 000
<b>Date to be published</b>	:	15 <sup>th</sup> September 2017
<b>Size of Chart</b>	:	960.0 x 650.0 mm
<b>Description</b>	:	This new edition includes new submarine cables and updated bathymetry details.

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

<b>Chart Number</b>	:	500
<b>Title</b>	:	Malacca and Singapore Straits Pulau Pisang To Raffles Lighthouse
<b>Coverage</b>	:	Lat 01° 04·05' N      01° 30·50' N Long 103° 05·80' E      103° 44·61' E
<b>Scale</b>	:	1 : 75 000
<b>Date to be published</b>	:	15 <sup>th</sup> September 2017
<b>Size of Chart</b>	:	959.8 x 649.9 mm
<b>Description</b>	:	This new edition includes updates covering Temasek Fairway and Sinki Fairway, Raffles Shoal, updated coastlines of Jurong Island and submarine cables.

The existing chart of the same number published on 26<sup>th</sup> September 2013 will be superseded.

## II NEW CHARTS AND PUBLICATIONS

### PORT APPROACH GUIDES FOR SINGAPORE TO BE PUBLISHED IN OCTOBER 2017

<b>Chart Number</b>	:	8285
<b>Title</b>	:	Port Approach Guide Singapore, Johor Strait - Eastern Part
<b>Coverage</b>	:	Lat 01° 18·77' N      01° 31·20' N Long 103° 45·60' E      104° 05·08' E
<b>Date to be published</b>	:	October 2017
<b>Size of Chart</b>	:	1032.0 x 654.0 mm
<b>Description</b>	:	Port Approach Guides are single, port scale charts containing essential planning information for a single port. Taken from existing Admiralty charts and publications. It provides comprehensive information to assist mariners in their Singapore port entry and exit quicker and easier.

The full range of Admiralty Port Approach Guides is available from the Admiralty Chart agents. To find an Admiralty Chart agent, please visit:

<http://admiralty.co.uk/how-to-buy>

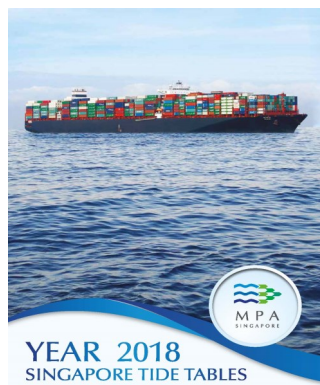
## II NEW CHARTS AND PUBLICATIONS

### SINGAPORE TIDE TABLES YEAR 2018 TO BE PUBLISHED ON 11<sup>TH</sup> SEPTEMBER 2017

#### 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

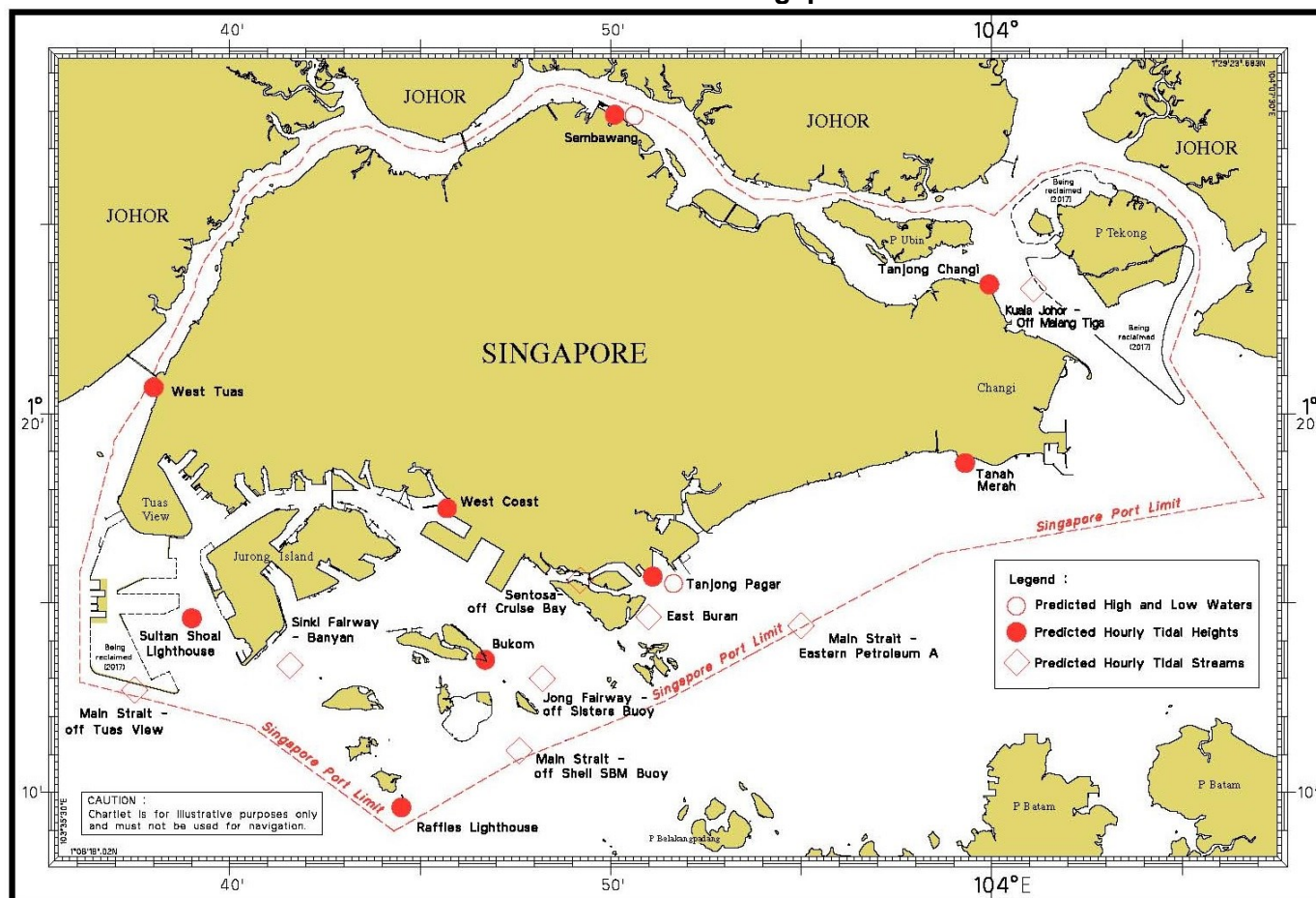
**5. Malacca Strait - High and Low Water Predictions** at the following stations:

- a) Kedah Pier, Pulau Pinang
- b) Port Dickson
- c) Kuala Batu Pahat

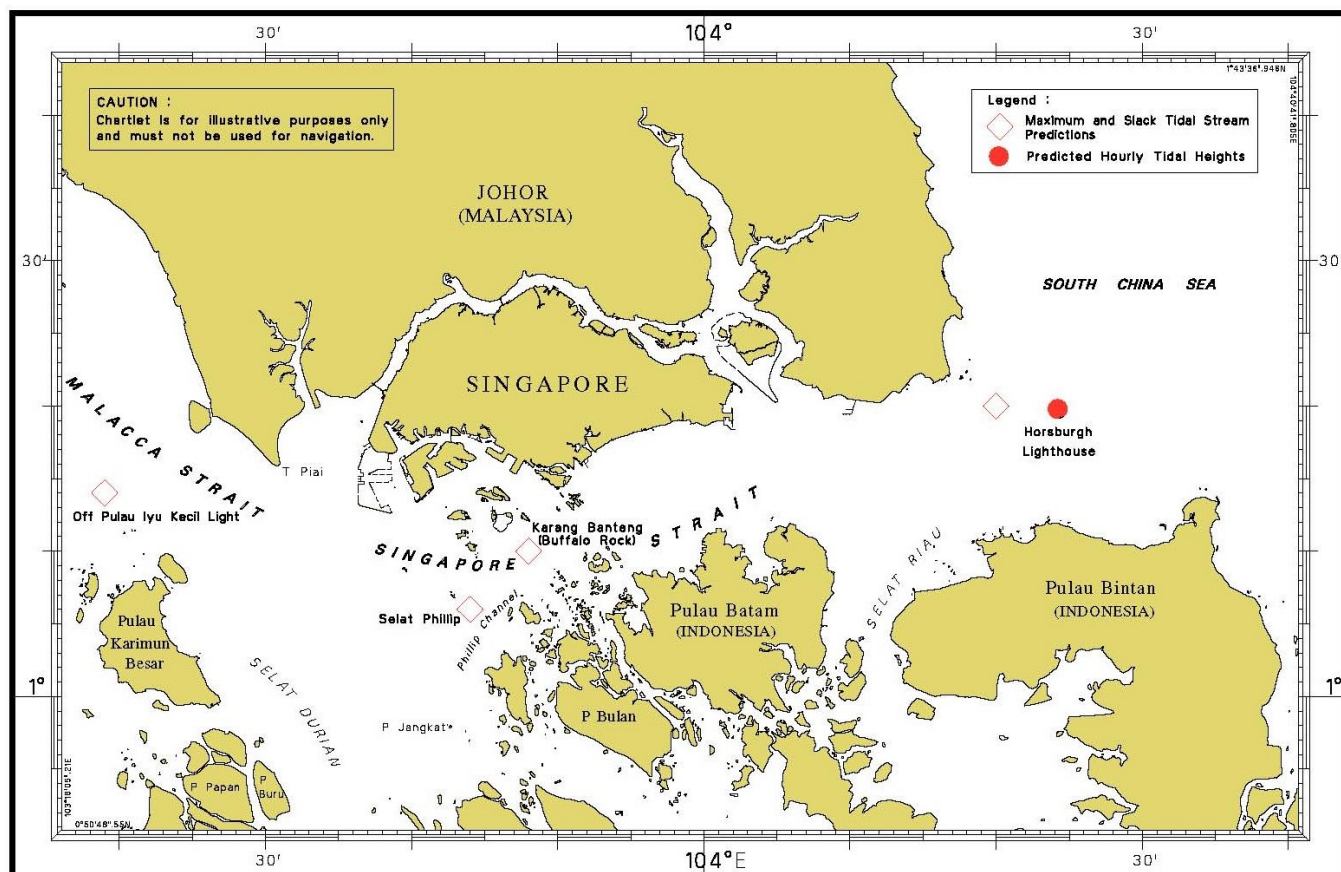
The locations of the above stations are shown in the chartlets below:

## II NEW CHARTS AND PUBLICATIONS

### Tidal Prediction Stations within Singapore Port Waters

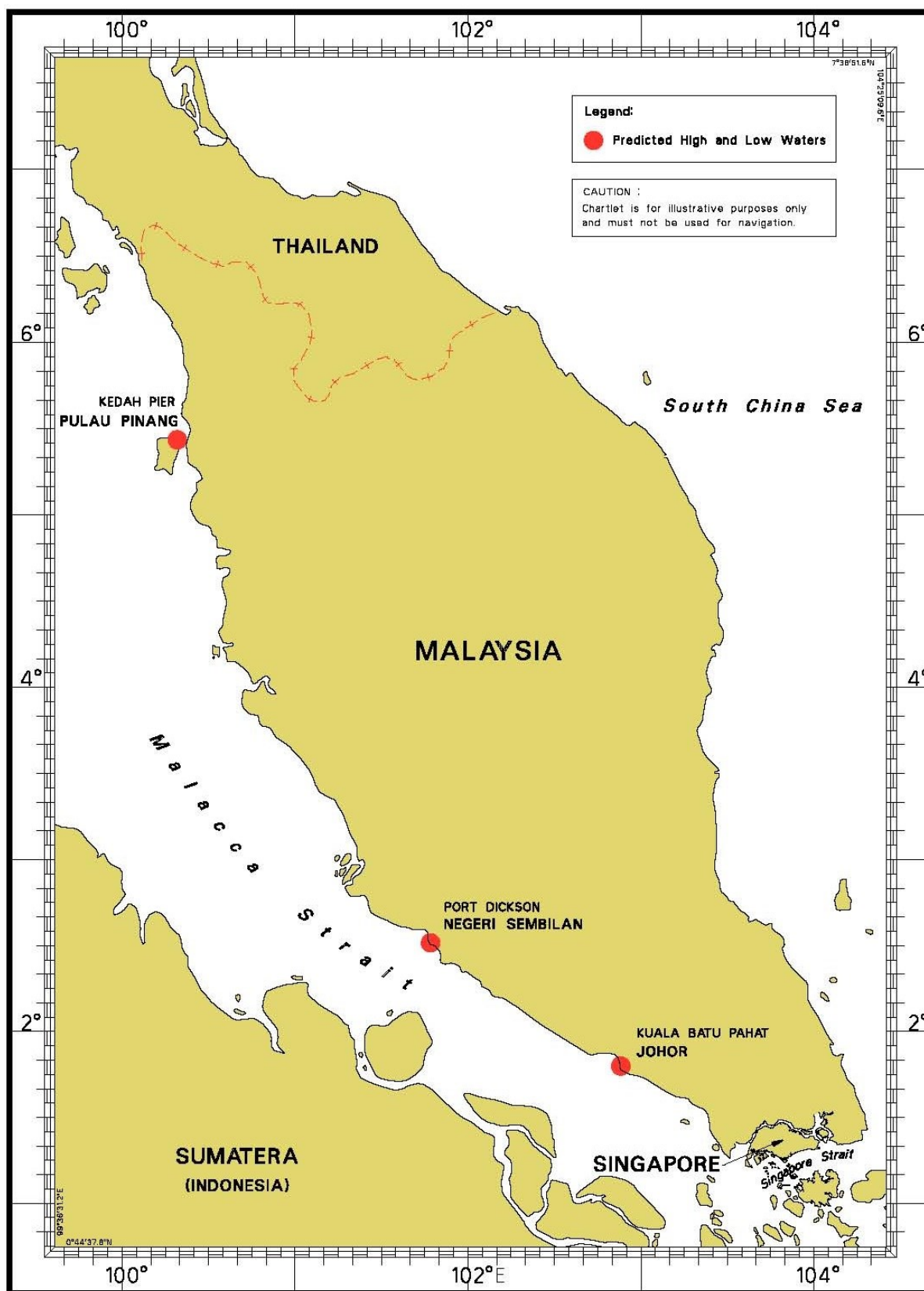


### Tidal Prediction Stations in Straits of Malacca and Singapore



## II NEW CHARTS AND PUBLICATIONS

### Tidal Prediction Stations In Malacca Strait







This publication can be purchased from any of the MPA appointed Chart Distributors.

Information on the MPA appointed Chart Distributors can be found from the following link:

<http://www.mpa.gov.sg/web/portal/home/publications/singapore-tide-tables>

## II

## NOTICES TO MARINERS AND CHART CORRECTIONS

<b>GSP1/SP1</b>	2 Ed 1/03/17 Last NM 70/2017	(Maritime and Port Authority of Singapore)	<b>NM 79/2017</b>
<b>Insert</b>	 <b>Fl.Y.6s Xinsha-1</b>	1° 13·20'N	103° 38·43'E
		(Maritime and Port Authority of Singapore)	<b>NM 80/2017</b>
<b>Insert</b>	Automatic Identification System, <b>AIS</b> , at light-beacon	1° 22·97'N	103° 57·92'E
		1° 24·50'N	103° 59·50'E
<hr/>			
<b>200</b>	4 Ed 1/09/15 Last NM 71/2017	(Marine Department of Malaysia No.53/2017)	<b>NM 81/2017</b>
<b>Amend</b>	light characteristic of Beacon to <b>Fl.5s29m15M</b>	2° 50·35'N	101° 17·05'E
<hr/>			
<b>202</b>	8 Ed 15/09/16 Last NM 57/2017	(Indonesian Notice No. 26/396-397/17)	<b>NM 82/2017</b>
<b>Insert</b>	 <b>Fl.Y.3s</b>	1° 02·18'N	104° 09·03'E
	 <b>Fl.Y.3s</b>	1° 01·12'N	104° 11·60'E
<hr/>			
<b>501</b>	7 Ed 1/09/15 Last NM 66/2017	(Maritime and Port Authority of Singapore)	<b>NM 79/2017</b>
<b>Insert</b>	 <b>Fl.Y.6s Xinsha-1</b>	1° 13·20'N	103° 38·43'E
<hr/>			
<b>502</b>	7 Ed 1/09/15 Last NM 72/2017	(Maritime and Port Authority of Singapore)	<b>NM 80/2017</b>
<b>Insert</b>	Automatic Identification System, <b>AIS</b> , at light-beacon	1° 24·50'N	103° 59·50'E
<hr/>			

## II

## TEMPORARY AND PRELIMINARY NOTICES

(NM 83T/2017)

SINGAPORE STRAIT - WRECK REMOVAL OPERATIONS  
FOR SUNKEN VESSEL 'HARITA BERLIAN 18'

1. Wreck removal operations for sunken vessel 'Harita Berlian 18' has been completed.
2. Former notice 73T/2017 is cancelled.
3. Mariners are advised to navigate with caution.

**Charts Affected:** Singaporean 202, 502 and Dual Badged BA4042.

Source : SMIT Singapore Pte Ltd

(NM 84T/2017)

## OUTER SHOAL BEACON TOPMARK RE-ESTABLISHED

1. The topmark on Outer Shoal Beacon has been re-established.
2. Former notice 75T/2017 is cancelled.
3. Mariners are advised to navigate with caution.

**Charts Affected:** Singaporean GSP1/SP1, 502 and Dual Badged BA4037, BA4040 and BA4041.

Source : Maritime and Port Authority of Singapore

### III NAVIGATIONAL INFORMATION

\*(NM 85/2017)

**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**

105/2017	Dredging work off western end of Jurong Island
106/2017	Reclamation works off Changi East
111/2017	Dredging works in Temasek Fairway
114/2017	A tidal turbine floating platform installed in Cruise Bay
115/2017	Mooring and unmooring of vessels off eastern part of Tuas View Extension
117/2017	Soil investigation works at the entrance and inside Ayer Merbau Basin

**PMC No.****Subject**

8/2017	Revision of inspection schedule for issuance of ship sanitation certificate
9/2017	Maritime and Port Authority of Singapore revokes Panoil Petroleum Pte Ltd's bunker craft operator licence

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\*Source: Maritime and Port Authority of Singapore

### III AMENDMENTS TO PUBLICATIONS

\*(NM 86/2017) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2016/2017”

1. Page 111

#### DEPTHS OF RIVERS AND BASINS

**Delete** the following:

LOCATIONS	DEPTHS (m)	REMARKS
Selat Samulun	2·5	

**Insert** the following:

LOCATIONS	DEPTHS (m)	REMARKS
East Samulun Basin	2·3	
West Samulun Basin	2·1	

**Amend** the following:

LOCATIONS	DEPTHS (m)	REMARKS
Tuas Bay - South East Approach Channel	5·2	
Southern Tuas Basin (south of lat 01°18·4'N)	5·2	
Gul Basin - Eastern side of Basin to YHQ4	5·3	
Benoi Basin - from BBN2 to Northern End	4·0	
Sungei Jurong	5·5	
Sungei Pandan - Entrance to PPL Shipyard (RSP4)	5·4	

### III AMENDMENTS TO PUBLICATIONS

#### CHARACTERISTICS OF AIDS TO NAVIGATION

2. Page 133

#### TUAS VIEW EXTENSION

Insert the following:

Name Of Beacon/Buoy	Position Lat. N Long. E	Structure, Colour & Shape	Light Characteristic	Owner
Xinsha-1	01°13·200' 103°38·432'	Yellow pillar with 'X' topmark	Fl.Y.6s	Axcel Marine Pte Ltd
DDJV-MB-1	01°14·456' 103°37·959'	Yellow can	Fl(4)Y.15s	Diap-Daelim Joint Venture
DDJV-MB-2	01°14·457' 103°38·131'	Yellow can	Fl(4)Y.15s	Diap-Daelim Joint Venture
DDJV-MB-3	01°14·456' 103°38·345'	Yellow can	Fl(5)Y.20s	Diap-Daelim Joint Venture
DDJV-MB-4	01°14·457' 103°38·517'	Yellow can	Fl(5)Y.20s	Diap-Daelim Joint Venture

3. Page 140

#### EAST JURONG CHANNEL

Amend the following:

Name Of Beacon/Buoy	Position Lat. N Long. E	Structure, Colour & Shape	Light Characteristic	Owner
OTS 6 Beacon (Lts in line 229·8°)	01°17·315' 103°43·543'	Black beacon pile with white triangle topmark pointing downward	Fl.W.6s9m3M	Oiltanking Singapore Ltd
OTS 7 Beacon (Lts in line 229·8°)	01°17·383' 103°43·624'	Black beacon pile on MD7 with white triangle topmark pointing upward	Fl.W.4s8m3M	Oiltanking Singapore Ltd

### III AMENDMENTS TO PUBLICATIONS

4. Page 151

#### EASTERN APPROACHES TO EAST JOHOR STRAIT

Amend the following:

Name Of Beacon/Buoy	Position Lat. N Long. E	Structure, Colour & Shape	Light Characteristic	Owner
Chek Jawa Rear Beacon	01°24.497' 103°59.498'	White triangle point downward on white metal staff on white concrete base, 5m, AIS	Fl.W.5s.27m10M Arc of visibility W 309° - 314°(5°)	MPA

5. Page 152

#### SERANGOON HARBOUR

Amend the following:

Name Of Beacon/Buoy	Position Lat. N Long. E	Structure, Colour & Shape	Light Characteristic	Owner
Loyang Beacon	01°22.974' 103°57.915'	Red mast on red piles, AIS	DirFl(2)WRG. 10s6m10-8M G128° - 129°(1°) W129° - 133°(4°) R133° - 135°(2°)	MPA

#### WHARVES AND BERTHS

6. Page 162

Amend the following:

#### 3 JURONG ISLAND - TEMASEK FAIRWAY - (SCP TEMBUSU TERMINAL) (1°15.6'N 103°39.5'E)

Berth	Length of Berth Box	Depth Alongside (Year Surveyed)	Controlling Depth In Approaches
OT1	320m	16.7m (2017)	15.3m
OT2	242m	17.0m (2017)	15.3m
OT3	190m	17.0m (2017)	15.3m

### III AMENDMENTS TO PUBLICATIONS

7. Page 183

**48 MARINA SOUTH - (MARINA BAY CRUISE CENTRE)(1°15'9"N 103°51'6"E)**

**Amend** the following:

<b>Berth</b>	<b>Length of Berth Box</b>	<b>Depth Alongside (Year Surveyed)</b>
1	373m	11.2m (2017)
2	396m	11.5m (2017)

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\*Source: Maritime and Port Authority of Singapore

## 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 PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREA EXIST. VESSELS ARE REMINDED TO PROCEED AT SAFE SPEED AND MAINTAIN A PROPER LOOKOUT, 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 AND 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

MARINERS ARE REMINDED NOT TO ANCHOR IN ALL AREAS IN THE TSS 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 ONLY.

TT389

NIPAH NORTH CARDINAL BEACON AT LATITUDE 01°10'40"N LONGITUDE 103°39'74"E IS REPORTED UNLIT.

TT398 (AMENDED 230440UTC JUN 2017)

A VESSEL HAD SUNK AT LOCATION LATITUDE 1°25'915"N LONGITUDE 104°27'389"E IN THE APPROACHES TO THE WEST BOUND LANE OF THE MIDDLE CHANNEL, NORTH EAST OFF HORSBURGH LIGHTHOUSE. THE LEAST DEPTH AT THE LOCATION IS 12.6M. AN AIS-EQUIPPED ISOLATED DANGER BUOY WITH LIGHT CHARACTERISTICS FL(2)10S HAS BEEN INSTALLED AT POSITION LATITUDE 1°26'224"N LONGITUDE 104°27'585"E IN THE APPROACHES TO THE WEST BOUND LANE OF THE MIDDLE CHANNEL.

AN UNAUTHORISED AND INAPPROPRIATELY POSITIONED ISOLATED DANGER BUOY WITH LIGHT CHARACTERISTICS FL(2)10S IS LOCATED AT POSITION LATITUDE 1°25'897"N LONGITUDE 104°27'391"E.

MARINERS ARE ADVISED TO NAVIGATE WITH CAUTION AND GIVE A WIDE BERTH.

TT399

VESSELS ARRIVING TO SINGAPORE OR TRANSITING THROUGH THE STRAIT ARE RECOMMENDED TO UPDATE THEIR DESTINATION ACCURATELY IN THE AIS TO ENHANCE SITUATION AWARENESS FOR OTHER TRAFFIC IN THE VICINITY, EXAMPLE TO INDICATE SG-PEBGB.

TT412

SAFE WATER MARK BUOY LFI.10S AT 1°03'03"N 103°39'00"E IS REPORTED UNLIT.

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 & 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.

TT425 (AMENDED 230914UTC)

BATU BERHENTI BUOY FL(2)5S WAS REMOVED FOR MAINTENANCE. VESSELS ADVISED TO NAVIGATE WITH CAUTION.

**IV**  
**REPRINT OF MARITIME SAFETY INFORMATION**

TT961

VESSELS INTENDING TO CROSS THE TRAFFIC SEPERATION 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

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 27<sup>th</sup> August 2017)

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

These notices can also be accessed directly from UKHO Website:

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

**3422(T) MALAYSIA - Peninsular Malaysia, East Coast - Tanjung Setapa SW - Wreck. Buoy**

Source: Malaysia Notice 41(T)/17 and 42(T)/17

1. A wreck, mv Putri Sea, exists in approximate position 01°17·86'N 104°07·28'E.
2. An isolated danger buoy, *F(2)10s*, has been established in position 01°17·88'N 104°07·24'E.
3. Mariners are advised to navigate with caution in the area.  
(WGS84 DATUM)

**Charts affected - 3831 - 4042 - 4043**

**3536 SINGAPORE - Pulau Punggol Barat - Landmark.**

Source: Maritime and Port Authority of Singapore

**Chart 4044 (Panel B, Pelabuhan Johor, (Johor Port))** [*previous update 3365/17*] WGS84 DATUM

Insert	 (50)	1°25·65'N	103°53·09'E
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**Chart 4044** [*previous update 3365/17*] WGS84 DATUM

Insert	 (50)	1°25·65'N	103°53·09'E
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**3537 SINGAPORE - Port of Singapore - Pulau Damar Laut and Sungei Pandan - Submarine power cable. Dredged depth.**

Source: Maritime and Port Authority of Singapore

**Chart 4034** [*previous update 2921/17*] WGS84 DATUM

Insert	submarine power cable,   , joining:	1°17·987'N	103°45·317'E
	(shore)		
		1°17·999'N	103°45·369'E
		1°18·000'N	103°45·401'E
		1°17·993'N	103°45·443'E
		1°17·954'N	103°45·517'E
	(shore)		
Amend	dredged depth to, <b>10.5m (2017)</b> , centred on:	1°17·997'N	103°43·303'E

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

**3538 SINGAPORE - TSS Singapore Strait (off Changi/Pulau Batam) - Buoy.**

Source: Maritime and Port Authority of Singapore

**Chart 4041** [previous update 2929/17] WGS84 DATUM

Delete	symbol, blue and yellow emergency wreck marking pillar light-buoy, <i>Al.Oc.BuY.3s</i>	1°12'·70"N	103°54'·52'E
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**3985 SINGAPORE - Changi Ferry Terminal - Buoyage.**

Source: Maritime and Port Authority of Singapore

**Chart 4043** [previous update 3365/17] WGS84 DATUM

Delete		1°22'·30"N	104°00'·45"E
		1°22'·31"N	104°00'·53"E
		1°22'·25"N	104°00'·45"E
		1°22'·25"N	104°00'·54"E







**Chart 4044** [previous update 3536/17] WGS84 DATUM

Delete		1°22'·30"N	104°00'·45"E
		1°22'·31"N	104°00'·53"E
		1°22'·25"N	104°00'·45"E
		1°22'·25"N	104°00'·54"E

**4016 SINGAPORE - Temasek Fairway W - Buoyage.**

Source: Maritime and Port Authority of Singapore

**Chart 4030** [previous update 2955/17] WGS84 DATUM

Insert	 <b>Fl.R.4s F2-DDJV-3</b>	1°15'·440"N	103°38'·709"E
	 <b>Fl.Y.4s F2-DDJV-2</b>	1°15'·544"N	103°38'·124"E
	 <b>Fl.Y.4s F2-DDJV-1</b>	1°15'·543"N	103°37'·671"E
Delete	former  <b>Fl.R.4s F2-DDJV-3</b>	1°15'·333"N	103°38'·760"E
	former  <b>Fl.Y.4s F2-DDJV-2</b>	1°15'·334"N	103°38'·206"E
	 <b>Fl.Y.4s F2-DDJV-1</b>	1°15'·334"N	103°37'·658"E







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

**4016 SINGAPORE - Temasek Fairway W - Buoyage. (continued)**






**Chart 4031** [previous update 2955/17] WGS84 DATUM

Insert	 <b>Fl.R.4s F2-DDJV-3</b>	1°15·440'N	103°38·709'E
Delete	 <b>Fl.R.4s F2-DDJV-3</b>	1°15·333'N	103°38·760'E

**Chart 4033** [previous update 2955/17] WGS84 DATUM

Insert	 <b>Fl.R.4s F2-DDJV-3</b>	1°15·440'N	103°38·709'E
	 <b>Fl.Y.4s F2-DDJV-2</b>	1°15·544'N	103°38·124'E
	 <b>Fl.Y.4s F2-DDJV-1</b>	1°15·543'N	103°37·671'E
Delete	 <b>Fl.R.4s F2-DDJV-3</b>	1°15·333'N	103°38·760'E
	former  <b>Fl.Y.4s F2-DDJV-2</b>	1°15·334'N	103°38·207'E
	former  <b>Fl.Y.4s F2-DDJV-1</b>	1°15·334'N	103°37·659'E






**Chart 4038** [previous update 2964/17] WGS84 DATUM

Insert	 <b>Fl(2)Y.5s PUB TDP 9</b>	1°18·30'N	103°37·14'E
	 <b>Fl.R.4s F2-DDJV-3</b>	(a) 1°15·44'N	103°38·71'E
Move	 <b>Fl.Y.4s F2-DDJV-2</b> , from:	1°15·33'N	103°38·21'E
	to:	1°15·54'N	103°38·12'E
	 <b>Fl.Y.4s F2-DDJV-1</b> , from:	1°15·33'N	103°37·66'E
	to:	1°15·54'N	103°37·67'E
Delete	 <b>Fl.R.4s F2-DDJV-3</b> , close SE of:	(a) above	

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

**4016 SINGAPORE - Temasek Fairway W - Buoyage. (continued)**

**Chart 4040** [previous update 2964/17] WGS84 DATUM

Insert	 <b>FI(2)Y.5s PUB TDP 9</b>	1°18·30'N	103°37·14'E
	 <b>FI.R.4s F2-DDJV-3</b>	(a) 1°15·44'N	103°38·71'E
Move	 <b>FI.Y.4s F2-DDJV-2</b> , from:	1°15·33'N	103°38·21'E
	to:	1°15·54'N	103°38·12'E
	 <b>FI.Y.4s F2-DDJV-1</b> , from:	1°15·33'N	103°37·66'E
	to:	1°15·54'N	103°37·67'E
Delete	 <b>FI.R.4s F2-DDJV-3</b> , close SE of:	(a) above	

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Updated to Admiralty Notices to Mariners No. 35 of 2017 dated 31<sup>st</sup> August 2017

## **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 : .....

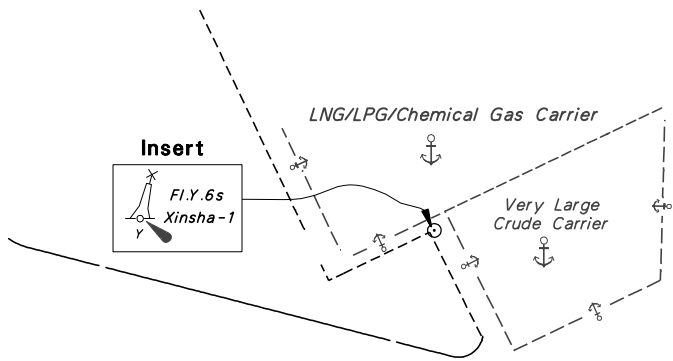
Name and Signature : .....

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

# NOTICES TO MARINERS TRACINGS

1°15'

103° 40'



CORRECTION NO.	SNM EDN NO.	LAST CORR NO.	CHART NO.	Location on Chart		
79	9/2017	70/17	GSP1/SP1	X		

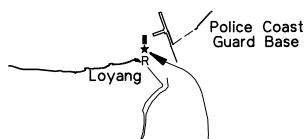
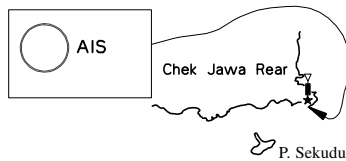
Caution: some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

# NOTICES TO MARINERS TRACINGS

104° 00'

1°25'

Insert at centre of symbol

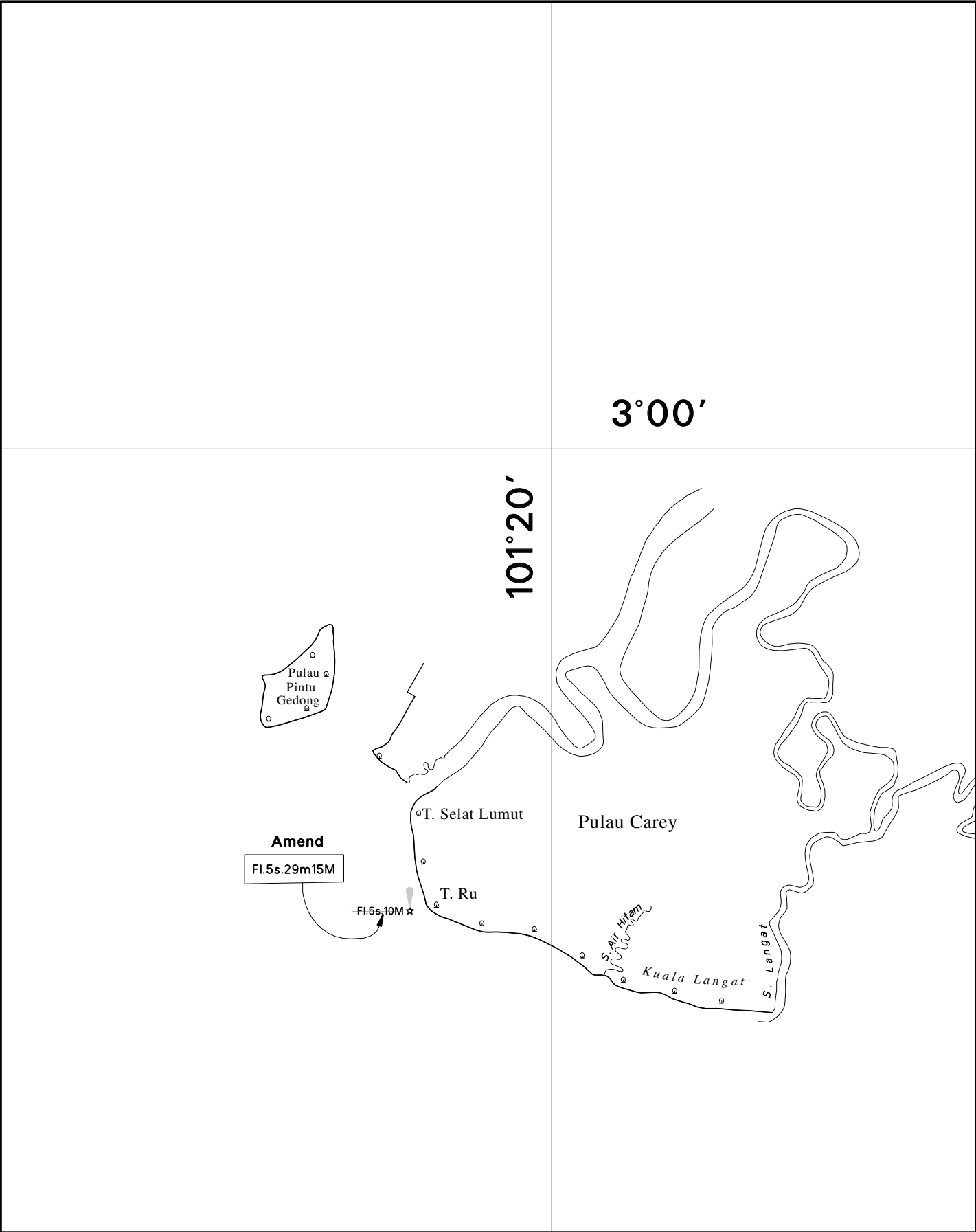


Insert at centre of symbol

CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
						X
80	9/2017	79/2017	GSP1/SP1			

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

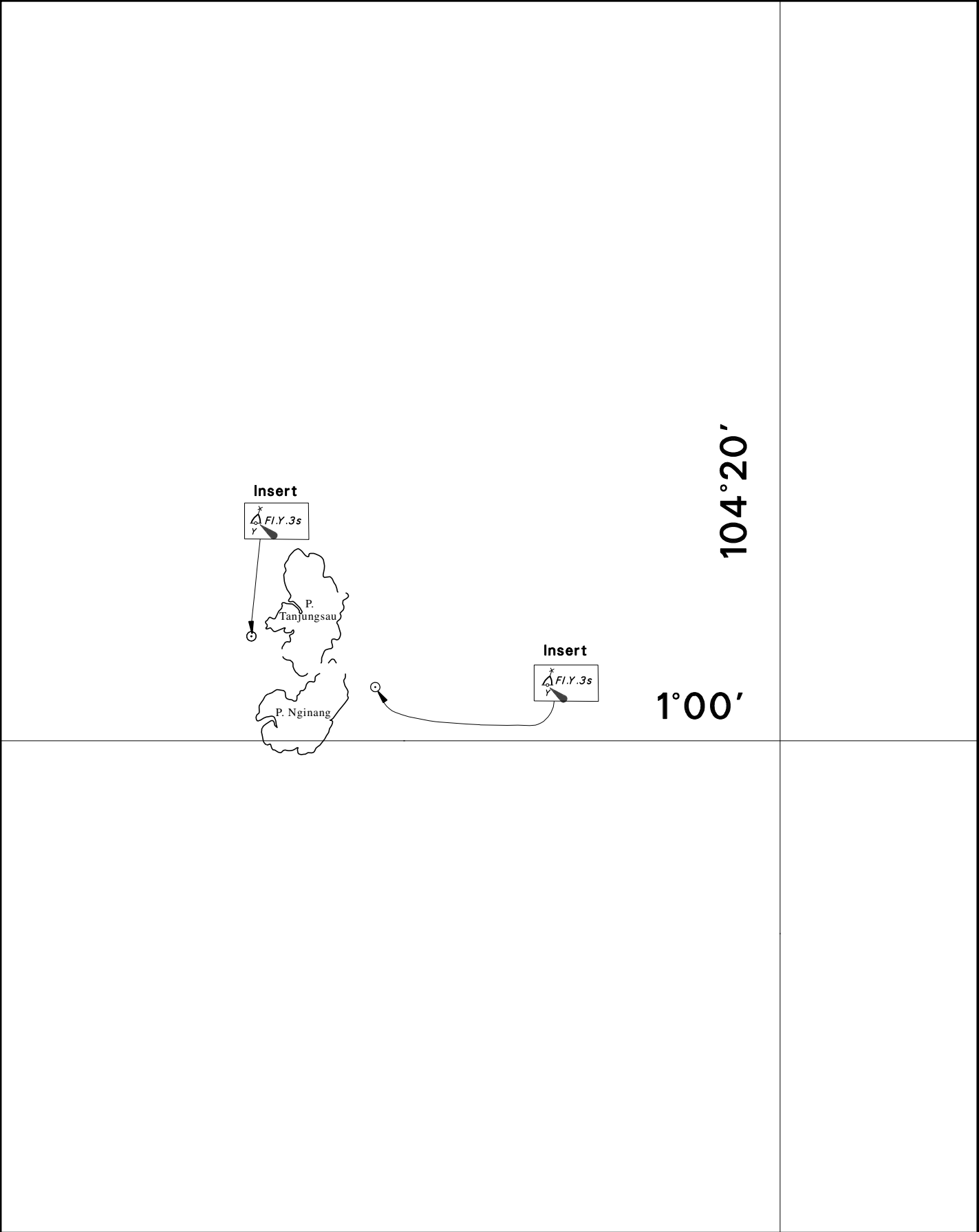
NOTICES TO MARINERS TRACINGS



CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
81	9/2017	71/2017	200		X	

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

NOTICES TO MARINERS TRACINGS



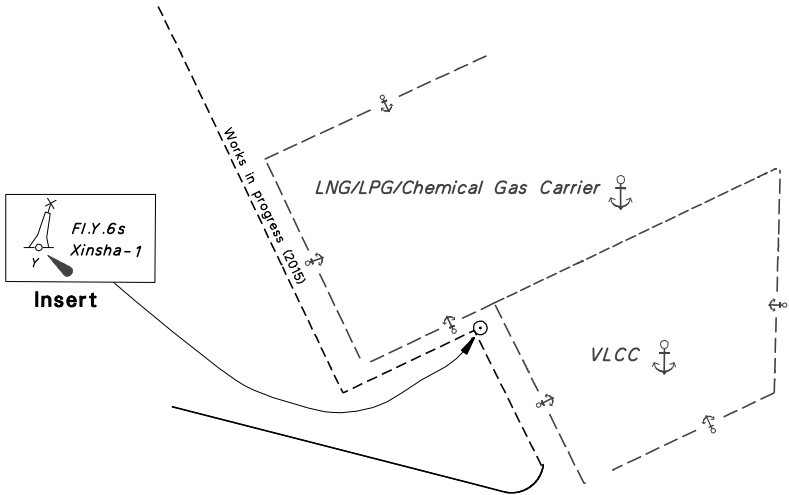
CORRECTION NO.	SNM EDN NO.	LAST CORRNO NO.	CHART NO.	Location on Chart		
82	9/2017	57/2017	202		X	

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

NOTICES TO MARINERS TRACINGS

1°15'

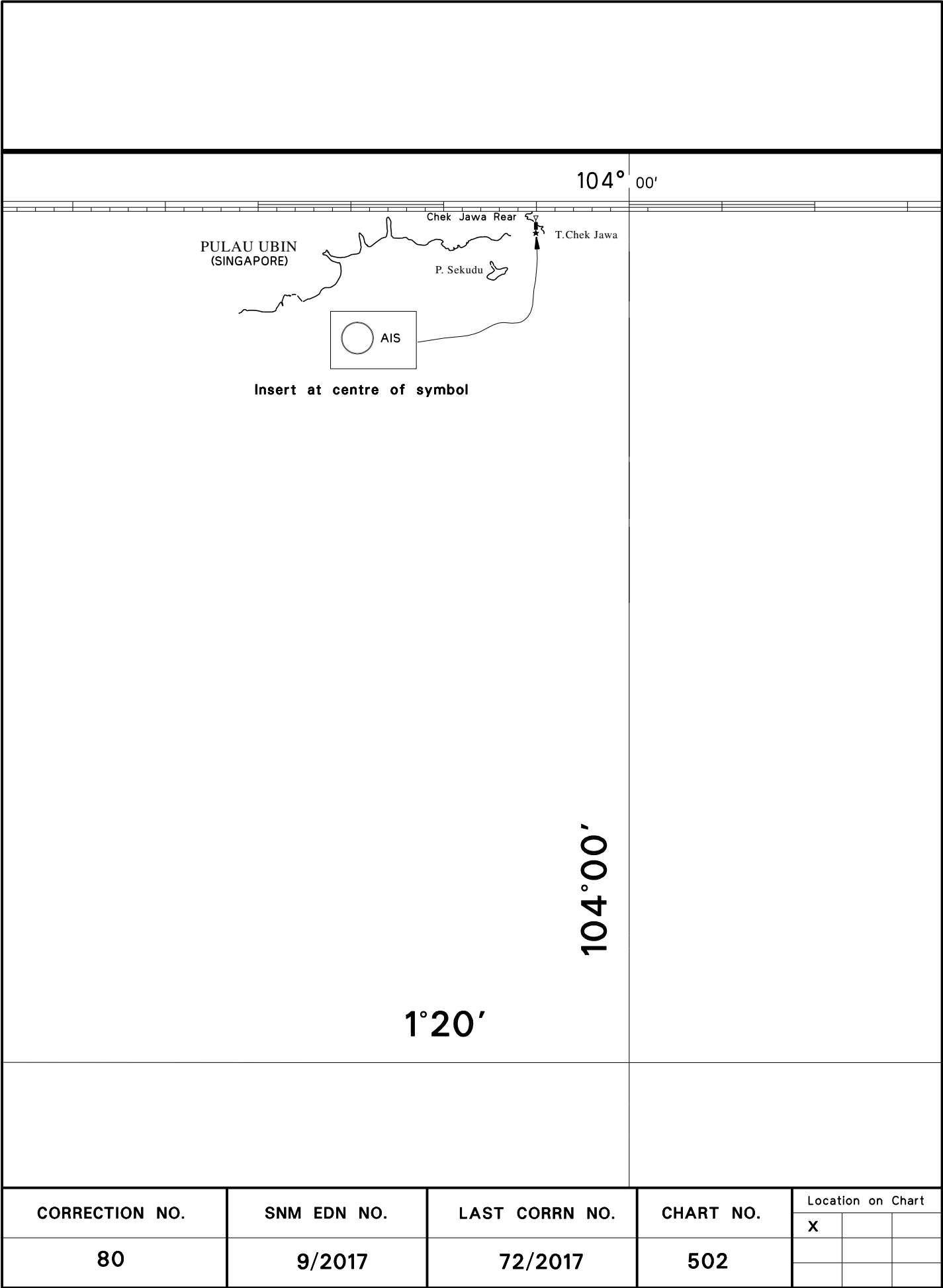
103°40'



CORRECTION NO.	SNM EDN NO.	LAST CORR N O.	CHART NO.	Location on Chart		
				X		
79	9/2017	66/2017	501			

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

NOTICES TO MARINERS TRACINGS



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
				X		
80	9/2017	72/2017	502			

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