



# MALAYSIAN NOTICES TO MARINERS

Monthly Edition 09 of 2019  
30<sup>th</sup> SEPTEMBER 2019

## CONTENTS

- I - Explanatory Notes / Index of Charts Affected.
- II - Corrections to Charts.
- III - Navigational Warnings.

Mariners are requested to inform The Hydrographer, National Hydrographic Centre, Bandar Armada Putra, Pulau Indah, 42009 PORT KLANG, Selangor Darul Ehsan, Malaysia. (Tel: +603 3169 4400), (Fax: +603 3101 3111), E-mail: [nhc@hydro.gov.my](mailto:nhc@hydro.gov.my) / [nhc@navy.mil.my](mailto:nhc@navy.mil.my) immediately upon the discovery of new dangers, changes or defects in aids to navigation and shortcoming in Malaysian charts or publications. Malaysian Notice to Mariners Online (MyNTM Online) can be accessed directly from link below: <https://goo.gl/yCXdSV>.

HANAFIAH BIN HASSAN  
Rear Admiral  
The Hydrographer

# SECTION I

## EXPLANATORY NOTES

### Charts

The notices in Section II give instructions for the correction of Malaysian Chart (MAL) while notices in Section III give information on navigational warnings. Geographical positions refer to the largest scale chart unless otherwise stated. Bearing are true reckoned clockwise from 000° to 359°, those relating to lights are from seaward.

Notices to Mariners correcting MAL charts are issued by the National Hydrographic Centre of Malaysia and should be inserted on the charts affected in waterproof violet ink in case of permanent notices and in pencil in case of temporary and preliminary notices.

### Temporary and Preliminary Notices

These are indicated by (T) or (P) after the notice number.

### Original Information

An asterisk (\*) adjacent to the number of a notice indicates that the notice is based on original information.

INDEX OF CHARTS AFFECTED			
MAL 5	223*/2019, 233(T)*/2019	MAL 654	231*/2019
MAL 5123	215/2019	MAL 655	231*/2019
MAL 5129	223*/2019	MAL 68	231*/2019
MAL 515	223*/2019, 234*/2019	MAL 68	233(T)*/2019
MAL 521	223*/2019	MAL 731	232(T)*/2019
MAL 5300	216*/2019	MAL 740	230(T)*/2019, 232(T)*/2019
MAL 54	223*/2019	MAL 741	230(T)*/2019, 232(T)*/2019
MAL 553	228(T)*/2019	MAL 750	224(T)*/2019, 225(T)*/2019, 226(T)*/2019, 229(T)*/2019, 230(T)*/2019
MAL 565	228(T)*/2019	MAL 751	224(T)*/2019, 225(T)*/2019, 226(T)*/2019, 230(T)*/2019, 232(T)*/2019
MAL 6	227(T)*/2019, 232*/2019	MAL 752	222*/2019, 230(T)*/2019
MAL 6124	217/2019, 218*/2019	MAL 754	222*/2019, 229(T)*/2019, 230(T)*/2019
MAL 6125	219*/2019	MAL 762	224(T)*/2019, 225(T)*/2019, 226(T)*/2019
MAL 6134	217/2019, 218*/2019	MAL 781	227(T)*/2019
MAL 6147	220*/2019	MAL 864	222*/2019
MAL 625	234*/2019	MAL 871	227(T)*/2019
MAL 6359	221*/2019	MAL 872	227(T)*/2019
MAL 6400	221*/2019	MAL 885	227(T)*/2019
MAL 65	234*/2019		






## SECTION II

### CORRECTIONS TO CHARTS

#### 215/2019 SINGAPORE – Fairway Temasek – Light buoys.

Source: Maritime and Port Authority of Singapore NM 91, 92, 95/2019.

Chart MAL 5123 (Last Correction 195/2019) WGS 84 DATUM

Delete		<i>Fl.G.2s</i> <i>PKHDB-17</i>		01° 13'.37N,	103° 36'.29E
		<i>GMAPS 01</i> <i>Fl.Y.4s</i>		01° 13'.97N,	103° 38'.15E
Move		<i>Fl.R.2s</i> <i>Temasek</i>	from:	01° 13'.78N,	103° 39'.50E
			to:	01° 13'.80N,	103° 39'.62E
		<i>Fl(2)R.5s</i>	from:	01° 15'.16N,	103° 39'.13E
			to:	01° 15'.14N,	103° 39'.08E
		<i>Fl(3)R.15s</i>	from:	01° 14'.10N,	103° 39'.41E
			to:	01° 14'.61N,	103° 39'.29E
		<i>Q(9)15s</i> <i>Jurong Empat</i>	from:	01° 15'.90N,	103° 39'.22E
			to:	01° 15'.95N,	103° 39'.22E

#### 216\*/2019 MALAYSIA – Selangor – Kuala Selat Lumut – Light buoys.

Source: Marine Department of Malaysia No. 159/2019.

Chart MAL 5300 (Last Correction 119/2019) WGS 84 DATUM

Insert		<i>Mahang 1</i> <i>Fl.G.2s</i>		02° 54'.36N,	101° 16'.47E
		<i>Mahang 2</i> <i>Fl.G.4s</i>		02° 54'.42N,	101° 16'.64E





#### 217/2019 SINGAPORE – Changi Naval Base – Light buoys.

Source: Maritime and Port Authority of Singapore NM 93, 94/2019.

Chart MAL 6124 (Last Correction 173/2019) WGS 84 DATUM

Insert		<i>Oc(2)Y.6s</i> <i>NEA-WRM-CNB</i>		01° 19'.85N,	104° 02'.54E
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Chart MAL 6134 (Last Correction 180/2019) WGS 84 DATUM

Insert		Oc(2)Y.6s NEA-WRM-CNB	01° 19'.85N,	104° 02'.54E
		Oc(2)Y.6s NEA-WRM-EC	01° 18'.50N,	103° 58'.45E
Delete		Fl.Y.4s, TK-MB-3	01° 22'.01N,	104° 02'.67E
		Fl.Y.6s, TK-MB-4	01° 22'.13N,	104° 02'.52E

**218\*/2019 SINGAPORE – S Pulau Tekong – Contour.**

**Source: National Hydrographic Centre.**

Chart MAL 6124 (Last Correction 217/2019) WGS 84 DATUM

Delete	20m contour	01° 21'.50N,	104° 02'.81E
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Chart MAL 6134 (Last Correction 217/2019) WGS 84 DATUM

Delete	20m contour	01° 21'.50N,	104° 02'.81E
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**219\*/2019 MALAYSIA – Johor – E Bt. Pengerang – Block.**

**Source: National Hydrographic Centre.**

Chart MAL 6125 (Last Correction 174/2019) WGS 84 DATUM

Insert	the accompanying block, centred on:	01° 22'.70N,	104° 06'.70E
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**220\*/2019 MALAYSIA – Johor – N Terminal Pengerang – Block.**

**Source: National Hydrographic Centre.**

Chart MAL 6147 (Last Correction 116/2019) WGS 84 DATUM

Insert	the accompanying block, centred on:	01° 29'.50N,	104° 10'.32E
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**221\*/2019 MALAYSIA – Pahang – Pelabuhan Kuantan – Depths.Contours.**

**Source: National Hydrographic Centre.**

Chart MAL 6359 (Last Correction 198/2019) WGS 84 DATUM

Delete	depth, 15 <sub>4</sub> , enclosed by 20m contour	03° 59'.42N,	103° 25'.75E
	depth, 15 <sub>4</sub> , enclosed by 20m contour	03° 59'.19N,	103° 25'.87E
	depth, 15, and associated 20m contour SE to enclose	03° 59'.17N,	103° 25'.82E

Chart MAL 6400 (Last Correction 198/2019) WGS 84 DATUM

<b>Delete</b>	depth, 15 <sub>4</sub> , enclosed by 20m contour	03° 59'.42N,	103° 25'.75E
	depth, 15, and associated 20m contour SE to enclose	03° 59'.17N,	103° 25'.82E

**222\*/2019 MALAYSIA – Sabah – Pulau Labuan – Wreck.**

**Source: Marine Department of Malaysia No. 161(T)/2019.**

Chart MAL 752 (Last Correction 203/2019) WGS 84 DATUM

<b>Insert</b>	 <i>REP</i> (2019) <i>PA</i>	05° 13'.67N,	115° 12'.32E
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Chart MAL 754 (Last Correction 203/2019) WGS 84 DATUM

<b>Insert</b>	 <i>REP</i> (2019) <i>PA</i>	05° 13'.67N,	115° 12'.32E
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Chart MAL 864 (Last Correction 85/2019) WGS 84 DATUM

<b>Insert</b>	 <i>REP</i> (2019) <i>PA</i>	05° 13'.67N,	115° 12'.32E
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**223\*/2019 MALAYSIA – Johor – SW P. Pisang – Light beacon.**

**Source: Marine Department of Malaysia No. 158/2019.**

1. Mudah Selatan, *FI(3)15s26m15M*, in position 01°25'.22N, 103°11'.22E resumed operation.
2. Former Notice No. 156/2019(T) is cancelled.
3. Mariners are advised to navigate with caution in the area.  
(WGS84 DATUM)
4. Charts affected – MAL 5 – MAL 5129 – MAL 515 – MAL 521 – MAL 54.

### SECTION III

#### NAVIGATIONAL WARNINGS

##### **224(T)\*/2019 MALAYSIA – Sarawak – Central Luconia Field – Pipeline Installation.**

**Source: Sarawak Marine Department No. 117/2019.**

1. Pipeline Installation – 01 Sep to 15 Nov 19. Positions as follow:  
( 1 ) 04°36'.90N 112°37'.18E.  
( 2 ) 04°38'.33N 112°18'.32E.
  2. Vessels involved – MV Southern Star and MV Greatship Maya.
  3. Berth of 5 nm requested.
  4. Charts affected: MAL 750, MAL 751 and MAL 762.
  5. Cancel this notice 16 Nov 19.  
(WGS 84)
- 

##### **225(T)\*/2019 MALAYSIA – Sarawak – Central Luconia Field – Drilling Activities.**

**Source: Sarawak Marine Department No. 115/2019(T).**

1. Drilling Activities – 23 Aug 19 to 12 Feb 20. Positions as follow:  
  
Larak Platform :  
04°31'.00N 112°18'.29E.      23 Aug to 21 Oct 19  
  
Bakong Platform :  
04°35'.84N 112°04'.12E.      23 Oct to 31 Dec 19  
  
Kesidang - 1 :  
04°40'.07N 112°26'.55E.      02 Jan to 12 Feb 20
  2. Vessels involved – Jack-Up Rig PVD Drilling Vi, MV Tourmaline, MV Gemia and MV Sms Serenity.
  3. Wide berth requested.
  4. Charts affected: MAL 750, MAL 751 and MAL 762.
  5. Cancel this notice 13 Feb 20.  
(WGS 84)
- 

##### **226(T)\*/2019 MALAYSIA – Sarawak – Central Luconia Field – Diving and ROV Underwater Inspection.**

**Source: Sarawak Marine Department No. 120/2019(T).**

1. Diving and ROV Underwater Inspection – 23 Aug to 22 Nov 19. Positions as follow:  
( 1 ) 04°31'.92N 112°05'.93E.  
( 2 ) 04°41'.16N 112°29'.60E.  
( 3 ) 04°41'.63N 112°46'.11E.  
( 4 ) 04°38'.27N 112°18'.28E.  
( 5 ) 04°19'.90N 112°40'.86E.  
( 6 ) 04°50'.59N 112°23'.71E.
  2. Vessel involved – MV Sapura Jane.
  3. Berth of 5 nm requested.
  4. Charts affected: MAL 750, MAL 751 and MAL 762.
  5. Cancel this notice 23 Nov 19.  
(WGS 84)
-

**227(T)\*/2019 MALAYSIA – Sabah – Lalan Palawan – 3D Seismic Survey.**

**Source: Sabah Marine Department No. 22/2019(T).**

1. 3D Seismic Survey – 15 Jul to 15 Nov 19. Positions as follow:
    - ( 1 ) 06°56'.05N 115°51'.23E.
    - ( 2 ) 05°40'.63N 114°38'.95E.
    - ( 3 ) 06°00'.32N 114°20'.08E.
    - ( 4 ) 06°08'.45N 114°28'.13E.
    - ( 5 ) 06°17'.15N 114°19'.90E.
    - ( 6 ) 07°04'.83N 115°06'.48E.
    - ( 7 ) 06°51'.35N 115°19'.45E.
    - ( 8 ) 07°16'.03N 115°43'.52E.
    - ( 9 ) 07°16'.02N 115°51'.20E.
  2. Vessels involved – MV Ramform Hyperion, MV Thor Modi, Tug Nur Amanah and Tug Nur Barakah.
  3. Wide berth requested.
  4. Charts affected: MAL 6, MAL 781, MAL 871, MAL 872 and MAL 885.
  5. Cancel this notice 16 Nov 19.  
(WGS 84)
- 

**228(T)\*/2019 MALAYSIA – Kedah – P. Perak – Site Survey and Soil Boring Malacca Straits.**

**Source: Marine Department of Malaysia No. 157/2019(T).**

1. Site Survey and Soil Boring Malacca Straits – 17 Sep 19 to 28 Oct 19. Area Bounded By:

Area 1:

- ( 1 ) 05°58'.95N 98°10'.33E.
- ( 2 ) 05°55'.43N 98°10'.33E.
- ( 3 ) 05°58'.42N 98°08'.71E.
- ( 4 ) 05°58'.95N 98°08'.70E.

Area 2:

- ( 1 ) 05°53'.64N 98°12'.68E.
- ( 2 ) 05°51'.84N 98°13'.28E.
- ( 3 ) 05°51'.32N 98°11'.74E.
- ( 4 ) 05°53'.13N 98°11'.14E.

Area 3:

- ( 1 ) 05°52'.79N 98°10'.30E.
- ( 2 ) 05°50'.67N 98°10'.74E.
- ( 3 ) 05°50'.44N 98°09'.68E.
- ( 4 ) 05°52'.57N 98°09'.24E.

Area 4:

- ( 1 ) 05°48'.90N 98°12'.26E.
- ( 2 ) 05°47'.61N 98°12'.70E.
- ( 3 ) 05°47'.26N 98°11'.68E.
- ( 4 ) 05°48'.54N 98°11'.24E.

Area 5:

- ( 1 ) 05°47'.97N 98°23'.76E.
- ( 2 ) 05°46'.49N 98°25'.34E.
- ( 3 ) 05°43'.72N 98°22'.74E.
- ( 4 ) 05°45'.20N 98°21'.16E.

Area 6:

- ( 1 ) 05°55'.92N 98°38'.35E.
- ( 2 ) 05°47'.34N 98°44'.06E.
- ( 3 ) 05°44'.33N 98°39'.56E.
- ( 4 ) 05°52'.90N 98°33'.84E.

Area 7:

- ( 1 ) 05°46'.36N 98°48'.75E.
- ( 2 ) 05°44'.48N 98°49'.84E.
- ( 3 ) 05°42'.57N 98°46'.56E.
- ( 4 ) 05°44'.45N 98°45'.47E.

Area 8:

- ( 1 ) 05°37'.79N 98°13'.60E.
- ( 2 ) 05°36'.83N 98°14'.10E.
- ( 3 ) 05°36'.08N 98°12'.66E.
- ( 4 ) 05°37'.05N 98°12'.16E.

Area 9:

- ( 1 ) 05°36'.96N 98°22'.79E.
- ( 2 ) 05°34'.94N 98°23'.59E.
- ( 3 ) 05°33'.94N 98°21'.07E.
- ( 4 ) 05°35'.96N 98°20'.27E.

Area 10:

- ( 1 ) 05°26'.56N 98°23'.41E.
- ( 2 ) 05°25'.29N 98°23'.90E.
- ( 3 ) 05°24'.51N 98°21'.88E.
- ( 4 ) 05°25'.77N 98°21'.39E.

Area 11:

- ( 1 ) 05°16'.35N 98°29'.09E.
- ( 2 ) 05°21'.52N 98°25'.14E.
- ( 3 ) 05°14'.70N 98°26'.94E.
- ( 4 ) 05°19'.87N 98°22'.99E.

- 2. Vessel involved – MV Fugro Equinox.
  - 3. Wide berth requested.
  - 4. Charts affected: MAL 553 and MAL 565.
  - 5. Cancel this notice 29 Oct 19.
- (WGS 84)
- .....

**229(T)\*/2019 MALAYSIA – Sarawak – West Lutong Field – Drilling Activities.**

**Source: Sarawak Marine Department No. 125/2019(T).**

- 1. Drilling Activities – 27 Sep 19 to 08 Apr 20 at 04°29'.86N 113°54'.38E.
  - 2. Vessels involved – MV Sapura T-10, MV Anggun, MV Uniwise Advantage and MV Winposh Resolve.
  - 3. Berth of 2 nm requested.
  - 4. Charts affected: MAL 750 and MAL 754.
  - 5. Cancel this notice 09 Apr 20.
- (WGS 84)
- .....

**230(T)\*/2019 MALAYSIA – Sarawak – Bayan Field – Investigation Survey and Operations.**

**Source: PTTEP HK Offshore Limited.**

- 1. Geohazard Site Investigation, Geotechnical Investigation and Debris Survey Operation – 12 Oct 19 to 10 May 20. Area Bounded By:

Geohazard Site Investigation:

- ( 1 ) 04°42'.91N 113°15'.48E.
- ( 2 ) 04°41'.64N 113°16'.85E.
- ( 3 ) 04°39'.75N 113°15'.31E.
- ( 4 ) 04°41'.07N 113°13'.94E.

12 Oct to 07 Nov 19



Geotechnical Investigation:

- ( 1 ) 04°51'.74N 113°40'.63E.
- ( 2 ) 04°50'.99N 113°40'.65E.
- ( 3 ) 04°50'.97N 113°39'.86E.
- ( 4 ) 04°51'.71N 113°39'.85E.

- ( 1 ) 04°47'.24N 113°45'.51E.
- ( 2 ) 04°46'.49N 113°46'.04E.
- ( 3 ) 04°46'.49N 113°45'.23E.
- ( 4 ) 04°47'.24N 113°45'.26E.

31 Oct to 11 Dec 19

Debris Survey:

- ( 1 ) 03°33'.60N 112°04'.46E.
- ( 2 ) 03°32'.52N 112°04'.75E.
- ( 3 ) 03°32'.27N 112°03'.72E.
- ( 4 ) 03°33'.33N 112°03'.42E.

- ( 1 ) 03°34'.12N 112°08'.75E.
- ( 2 ) 03°33'.08N 112°09'.09E.
- ( 3 ) 03°32'.80N 112°08'.02E.
- ( 4 ) 03°33'.83N 112°07'.72E.

14 Apr to 10 May 20

- ( 1 ) 03°36'.03N 112°13'.38E.
- ( 2 ) 03°35'.02N 112°13'.67E.
- ( 3 ) 03°34'.75N 112°12'.57E.
- ( 4 ) 03°35'.73N 112°12'.30E.

2. Vessels involved – MV Java Insignia and MV Java Illithia.

3. Wide berth requested.

4. Charts affected: MAL 740, MAL 741, MAL 750, MAL 751, MAL 752 and MAL 754.

5. Cancel this notice 11 May 20.

(WGS 84)

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**231(T)\*/2019 MALAYSIA – Terengganu – Tapis Field – Drilling Activities.**

**Source: Petronas Carigali Sdn Bhd.**

1. Drilling Activities – 26 Sep 19 to 01 Jun 20 at 05°49'.48N 104°11'.41E.

2. Vessel involved – Rig Sapura Berani.

3. Berth of 1.5 nm requested.

4. Charts affected: MAL 654, MAL 655 and MAL 68.

5. Cancel this notice 02 Jun 20.

(WGS 84)

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**232(T)\*/2019 MALAYSIA – Sarawak – Bayan Field – Transportation Vessel and Pipeline Pull In.**

**Source: Sarawak Marine Department No. 122/2019(T).**

1. Transportation Vessel and Pipeline Pull In – 26 Sep to 17 Oct 19. Positions as follow:

Transportation Vessel For D18 Substructure/Jacket:

- ( 1 ) 01°43'.41N 110°31'.70E.

- ( 2 ) 03°36'.06N 112°23'.42E. 26 Sep to 28 Sep 19

Transportation Vessel For D18 Topside:

- ( 1 ) 01°43'.41N 110°31'.70E.

- ( 2 ) 03°36'.06N 112°23'.42E. 11 Oct to 13 Oct 19

Pipeline Pull-In at D18 Field:

- ( 1 ) 03°36'.06N 112°23'.42E. 17 Oct 19

2. Vessels involved – MV Posh Defender and MV Mma Prestige.
  3. Wide berth requested.
  4. Charts affected: MAL 6, MAL 731, MAL 740, MAL 741 and MAL 751.
  5. Cancel this notice 18 Oct 19.
- (WGS 84)
- 

**233(T)\*/2019 MALAYSIA – Terengganu – Cakerawala Field – Platform Installation.**

**Source: Marine Department of Malaysia No. 160/2019(T).**

1. Platform Installation and Hook-Up Operation – 03 Oct to 22 Nov 19. Positions as follow:

Zetung - A  
06°51'.90N 103°18'.55E.

Anggerik - A  
06°53'.21N 103°22'.22E.

Inline - Tee  
06°52.72N 103°22'.50E.

Kesumba - A  
06°52'.72N 103°22'.50E.

2. Vessels involved – MV Sapura Aman, MV Carimin Airis and MV Libaran.
  3. Berth of 1.5 nm requested.
  4. Charts affected: MAL 5 and MAL 68.
  5. Cancel this notice 23 Nov 19.
- (WGS 84)
- 

**234(T)\*/2019 MALAYSIA – Johor – Pulau Aur – Firing Exercise.**

**Source: Marine Department of Malaysia No. 163/2019(T).**

1. Firing Exercise – 30 Sep to 18 Oct 19. Area bounded by:

- ( 1 ) 02°00'.00N 104°17'.00E.
- ( 2 ) 02°30'.00N 104°17'.00E.
- ( 3 ) 02°30'.00N 104°55'.00E.
- ( 4 ) 02°00'.00N 104°55'.00E.
- ( 5 ) 01°30'.00N 104°20'.00E.
- ( 6 ) 02°00'.00N 104°20'.00E.
- ( 7 ) 02°00'.00N 105°30'.00E.
- ( 8 ) 01°30'.00N 105°30'.00E.

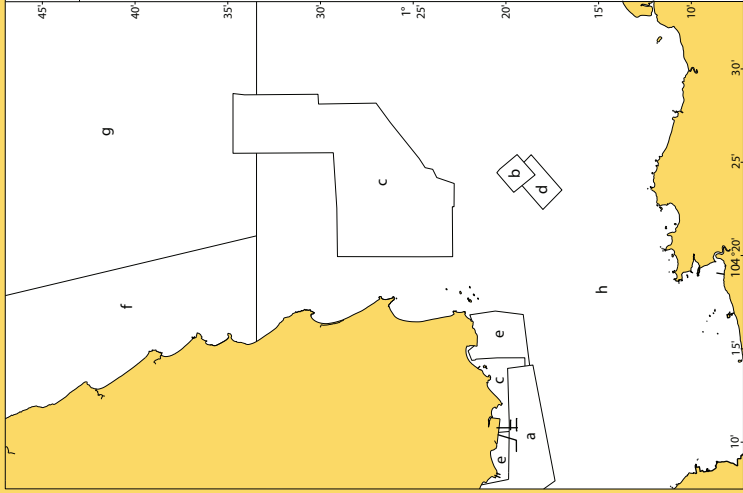
2. Vessel involved – Royal Malaysian Navy Ships.
  3. Wide berth requested.
  4. Charts affected: MAL 515, MAL 625 and MAL 65.
  5. Cancel this notice 19 Oct 19.
- (WGS 84)
-

NOTA

TALIAN PENGHANTARAN KUASA. Semua kapal yang mempunyai lunas udara 36 meter atau lebih dikehendaki mendapat kelulusan Pengarah Laut Wilayah Selatan terlebih dahulu sebelum melintasi di bawah talian penghantaran.

NOTE

POWER TRANSMISSION LINE. All vessels having an air draught of 36 metres or more are to obtain prior approval from the Director of Marine Southern Region before crossing under transmission lines.

PENDARJAHAN SUMBER / SOURCES CLASSIFICATION			
Tarikh Pengukuran / Date of survey	Kuasa / Authorities	Skala / Scale	
a. 2013	Commercial Survey	Multibeam	
b. 2011	Joint Survey Team (Malaysia and Singapore)	Multibeam	
c. 2010	KD PERANTAU	Multibeam	
d. 2009	KD PERANTAU	Multibeam	
e. 2006	KD MUTIARA	Multibeam 1 : 25 000	
f. 1995	RMN Contract Survey	1 : 50 000	
g. 1995 - 1996	RMN Contract Survey	1 : 100 000	
Tarikh Penerbitan / Date Published		BA 3831 (Edition 13)	1 : 75 000
h. 2017			

**HYDROGRAPHIC NOTE**  
(for instructions, see overleaf)

Date :

Ref No :

Name of ship or address of sender.

General locality

Subject

Approx position Lat

Long

Chart Affected

Latest Notice to Mariners held

Publication affected (Edition No date of latest supplement, page and Light List No etc)

Details :-

A replacement copy of Chart No.

is required, but see 4 overleaf

Signature of observer/reporter

## HYDROGRAPHIC NOTE

### Forwarding Information for Malaysian Charts and Hydrographic Publications

#### INSTRUCTION: -

1. Mariners are requested to notify the National Hydrographic Centre, Bandar Armada Putra, Pulau Indah, 42009 PORT KLANG, Selangor, Malaysia, when new or suspected dangers to navigation are discovered, change observed in aids to navigation, or corrections to publications seems to be necessary.
  2. This form and its instructions have been designed to help both the sender and the recipient. It should be used, or followed closely, whenever appropriate. Copies of this Form may be obtained gratis from the Hydrographic Directorate at the above address.
  3. When **position** is defined by sextant angles or bearings (true or magnetic being specified) more than two should be used in order to provide and check. Distances observed by radar and the reading of Loran, Decca, etc, should be quoted. However, when there is a series of fixes along a ship course, only the method of fixing and the objects used need be indicated. Latitude and longitude should only be used specifically to position the details when they have been fixed by the astronomical observations and full description of the latter should be given.
  4. A cutting from the largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red. When requested, a new copy will be sent in replacement of chart that has been used to forward information, or when extensive observations have involved defacement of the observer's chart. If it is preferred to show the amendments on a tracing of the largest scale chart (rather than on the chart itself) these should be in red as above, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.
  5. When **soundings** are obtained The Mariner's Handbook (NP 100) should be consulted. The echo sounding trace should be marked with times, depths, etc., and forwarded with the report. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of set, together with stylus speed/sound velocity, should also be given.
  6. Modern echo sounders frequently register greater depths than the advertised maximum for the set, e.g. with a set whose maximum is 500 metres, a trace appearing at 50 metres may in fact be 550 metres or even 1050 metres. Sounding recorded beyond the set's nominal range usually recognised by the following:-
    - a. the trace being weaker than normal for the depth recorded
    - b. the trace passing through the transmission line
    - c. the "feathery" nature of trace.
- As a check that apparently shoal soundings are not due to echoes beyond the set's nominal range sounding should be continued until reasonable agreement with charted soundings is reached. However soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from charted depth.
7. Reports, which cannot be confirmed or are lacking in certain details should be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.
  8. Reports of **shoal soundings**, uncharted dangers and navigational aids out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 30 metres or 15 fathoms may be sufficient importance to justify a radio message.
  9. **Port Information** should be forwarded on Form MH 501a together with Form MH 501. Form MH 501a lists the information required for Admiralty Sailing Directions and should be used as an *aide memoire*. Where there is insufficient space on the form an additional sheet should be used.

**Note:** An acknowledgement of receipt will be sent and the information then used to the best advantage, which may mean immediate action or inclusion in revision in due course. When the Notice to Mariners is issued, the sender's vessel or name is quoted as sometimes happens the information is also received in foreign Notice to Mariners. Further communication should be expected only if the information is of outstanding value or has unusual features.

# HYDROGRAPHIC NOTE FOR PORT INFORMATION

(To accompany Form MH 501)

Name of ship or address of sender

Ref No

Date

1.	<b>NAME OF PORT</b>
2.	<b>GENERAL REMARKS</b>  Principal activities and trade Latest population figures and date Number of ships or tonnage handled per year Maximum size of vessel handled. Copy of Port Handbook if available
3.	<b>ANCHORAGES</b>  Designation, depths holding ground, shelter afforded
4.	<b>PILOTAGE</b>  Authority for requests. Embarkation position. Regulations.
5.	<b>DIRECTIONS</b>  Entry and berthing information Tidal Streams. Navigational aids
6.	<b>TUGS</b>  Number available and max. hp.
7.	<b>WHARVES</b>  Names, number or positions. Lengths. Depth alongside. Height above Chart Datum Facilities available
8.	<b>CARGO HANDLING</b>  Container, lighters, Ro – Ro etc.
9.	<b>CRANES</b>  Brief details and max. capacity
10.	<b>REPAIRS</b>  Hull, machinery and underwater. Ship and boat yards. Docking or shipping facilities. Gives sizes of vessels handled or dimensions. Hard and ramps. Divers.
11.	<b>RESCUE AND DISTRESS</b>  Salvage, lifeboat Coastguard, etc.
12.	<b>SUPPLIES</b>  Fuel with type and quantities available

	Fresh water with rate of supply. Provisions.
13.	<b>SERVICES</b>  Medical De-ratting Consuls. Ship chandlery, compass adjustment, tank cleaning, hull painting.
14.	<b>COMMUNICATIONS</b>  Road, rail and air services available. Nearest airport or airfield. Port radio and information service with frequencies and hours of operating.
15.	<b>PORT AUTHORITY</b>  Designation, address and telephone number.
16.	<b>SMALL CRAFT FACILITIES</b>  Information and facilities for small craft (e.g. yachts) visiting the port. Yacht Clubs, berth, etc.
17.	<b>VIEWS</b>  Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc. Picture postcards may also be useful

Signature of observer/reporter.....