# PILOTAGE ADVISORY COMMITTEE WORKING GROUP

# **Proposed Amendments to the Berthing Guidelines**

# **Purpose**

The purpose of this paper is to seek members' advices and comments on:-

- (i) proposed amendments to the Berthing Guidelines (BGL) as attached in Annex; and
- (ii) making available on Marine Department internet site information on Berthing Guidelines on trial before being formally endorsed by the Authority.

# **Proposed Amendments**

2. The proposed amendments as highlighted in red in the Annex are as follow:-

Chapter	Title	Proposed amendments			
1	Index	To update information and add new column			
		on date of endorsement			
4	Berthing Remarks	To update Para. 1(d)			
5	List of Important	To update information			
	Telephone Numbers				
8	Berth/Wharf/Terminal	To update information on KC5			
	Information				
9	Tropical Cyclone	To retitle and update information including			
	(Typhoon) Procedure	new appendix of three templates for publicity			

		announcement	
10	Miscellaneous	To update information	
12	Berthing Guidelines	To update guidelines on berths 1 to 20 in	
		Kwai Chung (KC1 to KC20) and Transit	
		Mawan - Passenger & Container Ship	
		(URMPS-C/URMA-C)	

# **Information on Trial Version of Berthing Guidelines**

- From time to time, pilots would initiate changes on the guidelines and put them on trial. These changes initiated by pilots are circulated to "all" parties concerned for early information before being discussed in the Working Group and eventually endorsed by the Authority. However, new players, such as agents who were new to the industries may not be included in the mailing list.
- 4. Therefore, it is proposed to look into the feasibility on making these trial versions available on the Department's internet site so as to better inform the users of the potential changes to Berthing Guidelines.

## **Presentation**

10. This paper will be presented by Mr. George YK Tang, MO/Pilotage.

Pilotage Unit Marine Department November 2014

# List of Annexes to PACWG Paper 3/2014

Annex	File reference
1.	BGL Chap 01- proposed draft
2.	BGL Chap 04- proposed draft
3.	BGL Chap 05- proposed draft
4.	BGL Chap 08- proposed draft
5.	BGL Chap 09- proposed draft
6.	BGL Chap 10- proposed draft
7.	BGL Chap 12- proposed draft
8.	Proposed BGL KC1-2
9.	Proposed BGL KC3
10.	Proposed BGL KC4
11.	Proposed BGL KC5
12.	Proposed BGL KC6
13.	Proposed BGL KC6_O-F
14.	Proposed BGL KC7
15.	Proposed BGL KC7_O-F
16.	Proposed BGL KC8-9
17.	Proposed BGL KC10C&E
18.	Proposed BGL KC10W
19.	Proposed BGL KC11
20.	Proposed BGL KC12
21.	Proposed BGL KC13-14
22.	Proposed BGL KC15
23.	Proposed BGL KC16-19
24.	Proposed BGL KC20
25.	Proposed BGL URMPS-C URMPA-c part 1
26.	Proposed BGL URMPS-C URMPA-c part 2

# Chapter: 1 INDEX

Chantan	Description	Date of
Chapter	Description	<b>Endorsement</b>
1	Index	To be endorsed
2	General remarks	12-04-2011
3	Pilotage advisory committee	18-05-2012
4	Berthing remarks	To be endorsed
5	List of important telephone numbers	To be endorsed
6	Tugs information	To be endorsed
7	Floating docks information	09-01-2008
8	Berth/wharf/terminal information	To be endorsed
9	Tropical Cyclone (Typhoon) procedure	To be endorsed
10	Miscellaneous	To be endorsed
11	Government mooring buoys	04-02-2010
12	Berthing guidelines : by location code (Index)	N/A
	Berthing guidelines: by location code	
13	Amendment log sheet	N/A

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# \*\* BERTHING GUIDELINES INDEX \*\*

Code	Location	Date of Endorsement
ASB-JB	ASB Biodiesel Terminal	29-04-2014
BUOY	Government mooring buoy	12-04-2011
CCEMENT	China Cement Company (TSK)	09-01-2008
CFT	China ferry terminal	07-07-1999
CHT	Cruise Ship Transiting Central Harbour	24-09-2013
CLPTSK	China light power station (TSK)	04-02-2010
CMKEN-N	China Merchant Kennedy Town north berth	07-07-1999
CMKEN-S	China Merchant Kennedy Town south berth	07-07-1999
CVX	Chevron T/Y main berth	29-04-2014
CVX-5	Chevron T/Y No. 5 berth	29-04-2014
CVX-6A	Chevron T/Y No. 6A berth	29-04-2014
CVX-LPG	Chevron T/Y LPG berth	29-04-2014
EMTY-E1	ExxonMobil T/Y east terminal berth 1	29-04-2014
EMTY-E4	ExxonMobil T/Y east terminal berth 4	29-04-2014
EMTY-W1	ExxonMobil T/Y west terminal berth 1	29-04-2014
EMTY-W2	ExxonMobil T/Y west terminal berth 2	29-04-2014

Code	Location	Date of
EURO 1 <del>,2,3P</del>	Euro-Asia berth 1 <del>,2 &amp; 3P</del>	<b>Endorsement</b> 29-04-2014
EURO 2	Euro-Asia berth 2	29-04-2014
EURO 3P	Euro-Asia berth 3P	29-04-2014
HKELECT(N)	Lamma power station north wharf	09-01-2008
HKELECT(S)	Lamma power station south wharf	09-01-2008
JBDGA	Junk Bay DG anchorage	11-05-2005
KC1,2 <del>, 3</del>	Kwai Chung berth 1,2 & 3 1&2	To be endorsed
KC 3	Kwai Chung berth 3	To be endorsed
KC4	Kwai Chung berth 4	To be endorsed
KC5	Kwai Chung berth 5	To be endorsed
KC6	Kwai Chung berth 6	To be endorsed
KC7	Kwai Chung berth 7	To be endorsed
KC6/O-F	Kwai Chung berth 6 outer-foul	To be endorsed
KC7/O-F	Kwai Chung berth 7 outer-foul	To be endorsed
KC8, 9	Kwai Chung berth 8 & 9	To be endorsed
KC 10C, 10E	Kwai Chung berth 10C & 10E	To be endorsed
KC 10W	Kwai Chung berth 10W	To be endorsed
KC 11	Kwai Chung berth 11	To be endorsed
KC <del>10</del> -12	Kwai Chung berth <del>10</del> -12	To be endorsed
KC13-14	Kwai Chung berth 13-14	To be endorsed
KC15	Kwai Chung berth 15	To be endorsed
KC16-19	Kwai Chung berth 16-19	To be endorsed
KC20	Kwai Chung berth 20	To be endorsed
KEL-1	Kellett Anchorage No. 1	14-12-2006
KEL-2	Kellett Anchorage No. 2	14-12-2006
KEL-3	Kellett Anchorage No. 3	14-12-2006
KTCT-1	Kai Tak Cruise Terminal berth 1	24-09-2013
KYCA	Kau Yi Chau DG anchorage	07-07-1999
LOP	Lok On Pai oil berth	07-07-1999
MFT	Macau ferry terminal	07-07-1999
MWA	Ma Wan anchorage	07-07-1999
NLA	North Lamma anchorage	07-07-1999
NWLA	North West Lamma anchorage	07-07-1999
OTN	Ocean Terminal north berth	17-01-2003
OTNO	Ocean Terminal north berth outer-foul	17-01-2003
OTS	Ocean Terminal south berth	17-01-2003
OTSO	Ocean Terminal south berth outer-foul	17-01-2003

Code	Location	Date of
PAFF	Permanent Aviation Fuel Facility	<b>Endorsement</b> 04-02-2010
PSSA-E	Pun Shan Shek anchorage east	07-07-1999
PSSA-W	Pun Shan Shek anchorage west	07-07-1999
RDGA	Reserved dangerous goods anchorage	07-07-1999
RTT-1	River Trade Terminal No.1 berth	07-07-1999
RTT-2	River Trade Terminal No.1 berth	11-04-2002
RTT-4	River Trade Terminal No.4 berth	29-04-2014
RTT-5	River Trade Terminal No.5 berth	29-04-2014
SEATRIAL	Sea trial, compass adjustment & DF calibration	07-07-1999
SHACHAU	Sha Chau oil terminal (TSK)	25-09-2001
SHELL	Shell oil terminal main berth	05-09-2003
SHELL-1E	Shell No. 1 east & west berth	07-07-1999
SHELL-2E	Shell No. 2 & 3 east & west berth	16-02-2009
SHELL-LPG	Shell oil terminal LPG berth	09-01-2008
SINO-A	Sinopec T/Y main berth (A)	18-05-2012
SINO-B	Sinopec T/Y west berth (B)	18-05-2012
SINO-C	Sinopec T/Y east berth (C)	18-05-2012
SINO-CW	Sinopec Chai Wan berth	18-05-2012
SINO-3	Sinopec T/Y No. 3 berth	18-05-2012
SLA	Anchorages South of Lamma Island	07-07-1999
SSK-1	Sham Shui Kok Anchorage No. 1	16-02-2009
SSK-2	Sham Shui Kok Anchorage No. 2	16-02-2009
SWSTL	Shiu Wing steel wharf (TSK)	12-04-2011
THA	Tolo harbour anchorage	07-07-1999
TOW	Ship under tow	05-09-2003
TOW-BERTH	Ship under tow to/from berth	04-10-2004
TPGAS	Tolo harbour Town Gas wharf	17-01-2003
TSK-MHB	Tap Shek Kok Material Handling Berth	18-05-2012
TYD	Floating docks west of T/Y Island	09-01-2008
URMPS/URMA	Transit Mawan – Bulker & Tanker (All vessels other than passenger & container ship)	18-05-2012
URMPS-C/ URMA-C	Transit Mawan – Passenger & Container ship	To be endorsed
WA-1	Western anchorage No.1	07-07-1999
WA-2	Western anchorage No.2	07-07-1999
WA-3	Western anchorage No.3	07-07-1999
WQA	Western quarantine anchorage	07-07-1999
YMTA	Yau Ma Tei anchorage	25-09-2001
YUENFAT	Yuen Fat wharf No.2 berth	07-07-1999

## Chapter: 4 **BERTHING REMARKS**

# (1) Kwai Chung Terminals

a. Sufficient fore-and-aft clearances should be allowed for during berthing and unberthing operations. The following table shall be used to determine the clearances required:

	Minimum Clearance		
Vessel's LOA	at Each End*	Remarks	
367m and above	35 metres		
300m to under 367m	25 metres	Note 2	
200m to under 300m	20 metres	Note 1,2,3 & 4	
Under 200m	15 metres	Note 1,2,3 & 4	

- Note 1 : A mooring rope serving as back spring is needed to be in place on the appropriate bollard of the berth before the vessel is closing in and reaches a position which is about half ship breadth from the outer-side of the vessels secured at the adjacent berths. Under adverse weather conditions, such as when wind speed is above 22 knots, additional tug(s) may be called for with the consent of the Master.
- Note 2 : At the western most of KC5, KC6, KC7, KC10 and KC14, the southern most of KC4 and KC9, the northern most of KC8 and any other berth with one end open, a minimum clearance of 5 metres less than those specified in the above table would be acceptable at the end adjacent to the berth occupied by other ships, but in no circumstances shold a clearance be less than 15 metres.
- Note 3 : When a vessel is required to berth alongside in a reverse direction to its approach (i.e. stern in approach), such as the cases like portside alongside to KC1, KC2, KC3, KC4, KC7, KC11, KC12, KC13 & KC14 and starboard side alongside to KC6 & KC10 & KC15-20, an additional 5m clearance at both ends, more than those specified in the table above should be allowed, but it needs not be more than 25 metres, or 35 metres for LOA >367m.
- Note 4 : During typhoons and when visibility is less than 3 cables, terminal operators should endeavour to arrange the fore-and-aft clearance of not less than 25 metres for all vessels, except vessels of LOA ≥367m which require 35 metres.
- \* Notwithstanding the requirements specified, Kwai Chung terminal operators should endeavour to arrange a clearance of not less than 25 metres as far as possible, except vessels of LOA ≥367m which require 35 metres.
- b. Berthing of ships with LOA exceeding berth length requires an extra length of quay front from adjacent berth(s). Irrespective of the ship's length, a clearance of not less than 25 metres shall be maintained at the corner between berth KC1 and KC5; at the eastern most of KC6, KC7, KC10 and KC11, except vessels of LOA ≥367m which require 35 metres.

### Chapter 4 cont'd...

- c. Under Keel Clearance (UKC) at berth and throughout the harbour passage:
  To ensure safe navigation, 10% UKC must be maintained throughout the entire berthing/unberthing operation at all tidal conditions. The tidal height to be used for calculating the maximum allowable draft should be the lowest within the 2 hours period during the berthing/unberthing operation. The required 10% UKC is allowed for various factors, including but not limited to the following:
  - (i.) Listing due to e.g. inadequate GM (Vessel Tender),
  - (ii.) Delay of berthing/unberthing due to delayed schedule, traffic congestion, weather etc. particularly on a falling tide.

# (iii.) Squat

# Warning:

Owners or masters of vessels may be liable to lighten their vessels to avoid touching of bottom due to insufficient UKC.

d. Declared Depths at Kwai Chung Berths: (KC basin maintained depth 15.0m)

Berth No.	*Depth @ berth	Max. Sailing or Arrival Draft @ KC Basin
KC 1,2,3 <del>&amp; 5</del>	14.0m	14.0m + Tide - 10% UKC
KC 5	15.5m	15.0m + Tide – 10% UKC
KC 4 & 6	14.2m	14.2m + Tide – 10% UKC
KC 7	15.5m	15.0m + Tide – 10% UKC
KC 8 & 9	15.5m	15.0m + Tide – 10% UKC
KC 10 -14	15.5m	15.0m + Tide – 10% UKC
KC 15 - 20	15.5m	15.0m + Tide - 10% UKC

### Remarks:

- \*Depth @ berths (50m from berth to seaward) were declared and maintained by terminal operators and may subject to change. Masters, agents & operators are cautioned to check with terminal operator for updated information.
- ❖ Vessels intending to sail or arrive with draft exceeding **15.0m** should submit the following information to **VTC** & **HK Pilots** in ample time for consideration.
  - (i.) Water density used for calculating the declared draft
  - (ii.) Draft at water density SG 1.017
  - (iii.) TPC (tonne per centimetre)
  - (iv.) Estimated GM @ sailing
  - (v.) Increase of draft due to squat @ 8 and 12 knots respectively
  - (vi.) Increase of draft due to heeling of 1 & 2 degrees respectively
- e. Any berthing movements within Kwai Chung which are not in compliance with the guidelines endorsed by the PAC should have the agreement from the Duty Pilot and/or one of the Executive Directors of HKPA. General Manager of HKPA would be responsible for coordinating with all the involved parties.

# ... cont'd: Chapter 4 Berthing Remarks

- (2) CLPTSK China Light & power (Tap Shek Kok coal wharf)

  Tap Shek Kok Coal wharf If berth is partly occupied, then berth with bow pointing to each other @ slack water (HW+2 or LW+2 to +3, but may vary with seasons).

  Agents to be advised that limited anchorage off berth.
- (3) TPGAS Tai Po Town Gas berth, Tolo harbour Town gas berth, Tolo Harbour – give warning upon typhoon signal No.1 is hoisted or likely to affect HK as per pilot's advice.
- (4) EUROASIA wharf. Tsing Yi
  - a. VHF watch on ch.11 by berths' supervisor. Also ch.8,9,15,17,69,72,73 and 77 are available.
  - b. Clearance from barges would be required during berthing and unberthing.
  - c. Bridge mark/light available.
- (5) Sea trial due to the limited sea room and congest traffic flow in Hong Kong waters, sea trial will only be carried out at day light hours for safety reason. Water at West and South of Lamma Island will be a suitable location to carry out sea trial, compass adjustment and DF calibration.
- (6) Transverse thruster(s) at one end meets conditions stipulated below, not limited to, may be accepted to substitute one tug:
  - a. It is in good working condition, such that the control button can be adjusted to full power operating position.
  - b. It can run continuously for not less than 30 minutes.
  - c. It must be totally immersed in water.
  - d. It must not be interrupted by the operation of the main engine or other auxiliary engine.
  - e. Vessel equipped with azipods (azimuthing propulsion).

Note: Master should consider Pilot's recommendation to use tug even the above conditions are met, especially in adverse weather or small maneuvering area.

Vessel's Length over all	Actual minimum Horse Power	Actual minimum Kilo Watts	Actual minimum Kilo Newton
<131m	600	438	45
131-180m	800	584	61
181-250m	1000	730	75
251-300m	2000	1460	150
301-350m	3000	2190	225
351-375m	3500	2555	263
>375m	4000	2920	301

# **Chapter 5 - LIST OF IMPORTANT TELEPHONE NUMBERS**

1.	Marine Department		
	Vessel Traffic Center (VTC)		
	VTC Control Room	2233 7801	
	VTC Duty Marine Officer	<del>2233 7801-3</del>	
	VTC (Fax)	2858 6646	
	<del>VTC (Telex)</del>	63607 MDVTS HX	
	Senior Marine Officer	2233 7813	
	Marine Officer	2233 7810	
	Kwai Chung Control Station (KCCS)	2743 6043	2743 8296
	Mawan Control Station (MWCS)	<del>2491 4292</del>	
	Harbour Patrol Section Command Centre	2385 2791-2	
	Government Dockyard		
	Senior Fleet Manager	2307 3614	
	Dockyard Ops. Manager	2307 3615	
<del>2.</del>	Emergency 999		
2.	Fire Services Department		
	Marine & Offshore Island Office	2534 7250	
3.	Police Force		
	General Emergency	999	
	Marine Police Duty Control Room	2803 6267	
	Tolo Channel Anti-smuggling Boom	<del>2603 4052</del>	
	Tolo Monitor System (TMS)	28036243	
<del>3-4</del> .	Hong Kong Observatory		
	Centre forecast office	2368 1944	
	Port meteorological office	2926 3113	
4-5.	Immigration Department		
	Hong Kong	2543 1958	
	Tuen Mun Anchorage office (TMIA)	2180 8966	
<del>5</del> -6.	Port Health Department		
	Port Health office	2543 1702	

9016 8988

Duty Port Health officer

Chapter: 8 BERTH / WHARF/TERMINAL INFORMATION

ASB-IB 6.0 85 0,300/210 63.5 318.34/300 CCEMENT 14.0 240 112/292 270 2440 5111 2440 5233 CCEMENT 7.0 153 078/258 270 2440 5111 2440 5233 CLPTSK 16.8 280 134/314 545 2440 4402 CLPTSK 16.8 280 134/314 545 2440 4402 CMKEN-N 9.5 156 070/250 170 2816 8398 9125 3298 CMKEN-S 7.0 120 070/250 140 2816 8398 9125 3298 CWX 12.6 235 162/342 90 2431 2428 CVX-6 7.3 110 055/235 50 2431 2428 CVX-6 7.3 110 055/235 50 2431 2428 CVX-1PG 6.5 114 072/252 95 2431 2428 CVX-1PG 6.5 114 072/252 95 2431 2428 CVX-1PG 6.5 144 072/252 95 2431 2428 EMTY-E1 14.6 250 089/269 267 2902 8273 2900 8277 EMTY-W1 14.6 250 089/269 41 2902 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2902 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2902 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2902 8132 2902 8133 EMTY-W1 14.6 260 02000 240 2436 8223 9603 9692 EURO 3 9.5 200 020/200 280 2436 8233 9603 9692 EURO 2 9.5 200 020/200 280 2436 8233 9603 9692 EURO 3 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3 8.6 165 136/343 305 2115 3552 EURO 1 4.6 262 170/350 290 2982 6270 2982 6274 9423 6670 HUDSW dist. from I/d 80m as per HUD  CC 1 440 370 163/343 305 2189 4745 CC 4 14.2 440 370 163/343 305 2189 4745 CC 4 14.2 350 073/253 564 2619 7792 CC 5 15.0 440 400 163/343 305 2489 4745 CC 6 14.2 350 073/253 564 2619 7792 CC 8 15.0 440 440 163/343 305 249 7792 CC 1 15.0 367 370 073/253 388 2991 8022 CC 1 15.0 440 440 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 305 2619 7792 CC 1 15.0 440 400 163/343 300 2619 7792 CC 1 15.0 440 400 163/343 300 2619 7792 CC 1 15.0 440 400 163/343 300 2619 7792 CC 1 15.0 440 400 163/343 300 2619 7792 CC 1 15.0 440 400 163/343 300 2619 7792 CC 1 15.0 440 400 163/343 300 2619 7792 CC 1 15.0 440 400 163/343 300 2619 7792 CC 1	BERTH	Draft(m)	LOA(m)	Direction	Length	Telephone No.
CCEMENT 14.0 240 112.292 270 2440 5111 2440 5233 CFT 7.0 153 078;258 270 2738;2906 CLPTSK 16.8 280 134;314 545 2404 8402 CMKEN-N 9.5 156 070;250 170 2816 8398 9125 3298 CMKEN-S 7.0 120 070;250 140 2816 8398 9125 3298 CVX 12.6 2355 162;342 90 24;31 2428 CVX-S 3.2 80 035;215 80 24;31 2428 CVX-S 3.2 80 035;215 80 24;31 2428 CVX-GA 7.3 110 055;235 50 24;31 2428 CVX-GA 7.3 110 055;235 50 24;31 2428 EMTY-EI 14.63 274 098;278 255 2902 8273 2909 8277 EMTY-EI 14.63 274 098;278 255 2902 8273 2909 8277 EMTY-EI 14.64 250 089;269 267 2902 8132 2902 8173 EMTY-WI 14.6 250 089;269 267 2902 8132 2902 8133 EMTY-WI 14.6 250 089;269 267 2902 8132 2902 8133 EMTY-WI 2 7.5 107 089;269 41 2902 8132 3902 8133 EURO 1 9.0 165 020;200 240 2436 8222 9603 9692 EURO 2 9.5 200 020;200 280 2436 8232 9603 9692 EURO 3 9.5 200 020;200 280 2436 8233 9603 9692 EURO 3 9.5 200 166 165 148;328 215 2436 8233 9603 9692 EURO 3 14.6 262 170;350 290 2982 6270 2982 6274 9423 6670 EMELECT (S) 14.6 262 170;350 290 2982 6270 2982 6274 9423 6670 EMELECT (S) 14.6 262 170;350 290 2982 6270 2982 6274 9423 6670 EMELECT (S) 14.6 40 370 163;343 305 2489 4745 CK 1-2 440 370 163;343 305 2489 4745 CK 1-2 15.0 350 073;253 564 2619 7792 CK 1-2 15.0 350 073;253 564 2619 7792 CK 1-2 15.0 366 370 073;253 564 2619 7792 CK 1-2 15.0 366 370 073;253 388 2991 8022 CK 1-2 15.0 440 400 163;343 350 2619 7792 CK 1-2 15.0 366 370 073;253 388 2991 8022 CK 1-2 15.0 440 400 163;343 350 2619 7792 CK 1-2 15.0 366 370 073;253 388 2991 8022 CK 1-2 15.0 440 400 163;343 350 2619 7792 CK 1-2 15.0 366 370 073;253 388 2991 8022 CK 1-2 15.0 440 400 163;343 350 2619 7792 CK 1-2 15.0 366 370 073;253 388 2991 8022 CK 1-2 15.0 440 400 163;343 350 2619 7792 CK 1-2 15.0 366 370 073;253 388 2991 8022 CM 1-2 15.0 440 400 163;343 350 2619 7792 CK 1-2 15.0 366 370 073;253 388 2991 8022 CM 1-2 15.0 440 400 163;343 350 2619 7792 CM 1-2 15.0 440 400 163;343 350 2619 7792 CM 1-2 15.0 440 400 163;343 35	ASB-JB	6.0	85	030/210	63.5	3183 4300
CLPTSK 16.8 280 134/314 545 240 8402 CMKEN-N 9.5 156 070c250 170 2816 8398 9125 3298 CMKEN-S 7.0 120 070c250 140 2816 8398 9125 3298 CVX 12.6 235 162/342 90 2431 2428 CVX-S 3.2 80 035/215 80 2431 2428 CVX-S 3.2 80 035/215 80 2431 2428 CVX-S 3.2 80 035/215 80 2431 2428 CVX-GA 7.3 110 055/235 50 2431 2428 CVX-LPG 6.5 114 072/252 95 2431 2428 EMTY-EI 1 4.63 274 098/278 255 2902 8273 2909 8277 EMTY-EI 1 4.66 274 098/278 255 2902 8273 2909 8277 EMTY-WI 1 4.6 250 089/269 267 2902 8132 2902 8133 EMTY-WI 1 4.6 250 089/269 267 2902 8132 2902 8133 EMTY-WI 2 7.5 107 089/269 267 2902 8132 2902 8133 EURO 1 9.0 165 020/200 240 2436 8222 9603 9692 EURO 3 P 8.6 165 148/328 215 2436 8222 9603 9692 EURO 3 P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3 P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3 P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3 P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3 P 8.6 165 148/328 305 290 2982 6270 2982 6274 9423 6670 HUDSW dist, from f/d 80m as per HUD KC 1-2 10 10 14.6 370 163/343 305 2415 3552 446 827 842 842 842 842 842 842 842 842 842 842	CCEMENT			112/292		
CMKEN-N 9.5 156 070/250 140 2816 8398 9125 3298 CMKEN-S 7.0 120 070/250 140 2816 8398 9125 3298 CVX 12.6 235 162/342 90 2431 2428 CVX-5 3.2 80 035/215 80 2431 2428 CVX-6A 7.3 110 055/235 50 2431 2428 CVX-PG 6.5 114 072/252 95 2431 2428 EMTY-E1 14.63 274 098/278 255 2902 8273 2909 8277 EMTY-W1 14.6 250 089/269 267 2902 8132 2902 8173 EMTY-W2 7.5 107 089/269 41 2902 8132 2902 8173 EMTY-W2 7.5 107 089/269 41 2902 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2908 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2908 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2908 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2908 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2908 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2908 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2908 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2436 8233 9603 9692 EURO 1 9.0 165 020/200 240 2436 8223 9603 9692 EURO 2 9.5 200 020/200 280 2436 8223 9603 9692 EURO 3 9.5 200 020/200 280 2436 8233 9603 9692 EURO 3 9.5 200 020/200 280 2982 6270 2982 6274 9423 6670 HKELECT (N) 14.6 262 170/350 290 2982 6270 2982 6274 9423 6670 HKELECT (S) 14.6 40 370 163/343 305 2115 3552 EC 3 14.0 440 370 163/343 305 2415 3552 EC 3 15.0 440 400 163/343 305 2619 7792 EC 5 15.0 350 073/253 564 2619 7792 EC 5 15.0 440 400 163/343 380 2619 7792 EC 7 15.0 367 370 073/253 364 2619 7792 EC 1 1 15.0 367 340 073/253 388 2276 8137 2276 8138 EC 1 1 15.0 440 370 163/343 380 2619 7792 EC 1 1 15.0 367 340 073/253 338 2276 8137 2276 8138 EC 1 1 15.0 440 370 173/253 338 2276 8137 2276 8138 EC 1 1 15.0 440 400 163/343 350 2619 7792 EC 1 1 15.0 367 340 073/253 338 2276 8137 2276 8138 EC 1 1 15.0 440 400 163/343 350 2619 7792 EC 1 1 1 15.0 440 400 163/343 350 290 290 2616 290 2645 EC 1 1 1 15.0 440 400 163/343 350 290 290 2616 290 2645 EC 1 1 1 15.0 440 400 163/343 350 290 290 2616 290 2645 EC 1 1 1 15.0 440 400 163/343 350 290 290 2616 290 2645 EC 1 1 1 15.0 440 400 163/343 350 290 290 2616 290 2645 EC 1 1 1 15.0 440 400 163/343 350 290 290 290 290 290 290 290 290 290 29						
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CVX_LPG 6.5						
EMTY-EI   14.63   274   098/278   255   2902 8273   2909 8277   EMTY-E4   5.5   107   098/278   30   2902 8273   2902 8273   EMTY-W1   14.6   250   089/269   267   2902 8132   2902 8133   EMTY-W2   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W2   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W2   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   2902 8133   EMTY-W3   7.5   107   089/269   41   2902 8132   EMTY-W3   7.5   107   089/269   41   2902 8132   EMTY-W3   7.5   107   089/269   240   2436 8222   9603 9692   EURO 3P   8.6   6165   148/328   215   2436 8223   9603 9692   EURO 3P   8.6   6165   148/328   215   2436 8223   9603 9692   EURO 3P   8.6   6165   148/328   215   2436 8223   9603 9692   EURO 3P   8.6   6165   148/328   215   2436 8223   9603 9692   EURO 3P   8.6   6165   148/328   215   2436 8223   9603 9692   EURO 3P   8.6   6165   148/328   215   2436 8223   9603 9692   EURO 3P   2436 8224   2423 8670   EURO 3P   2436 8224   2423 8270   EURO 3P   2436 8224   2423 8270   EURO 3P   2423 8670   EURO 3P   2						
EMTY-E4 5.5 107 098/278 30 2902 8273 2902 8275 EMTY-W1 14.6 250 089/269 267 2902 8132 2902 8133 EMTY-W2 7.5 107 089/269 41 2902 8132 2902 8133 EURO 1 9.0 165 020/200 240 2436 8222 9603 9692 EURO 2 9.5 200 020/200 280 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 146 262 170/350 290 2982 6270 2982 6274 9423 6670 HUDSW dist. from f/d 80m as per HUD 008/188 250 282 6274 9423 6670 HUDSW dist. from f/d 80m as per HUD 008/188 250 2826 6270 2982 6274 9423 6670 HUDSW dist. from f/d 80m as per HUD 108/188 250 2431 2645 EVEN 25						
EMTY-WI						
EMTY-W2 7.5 107 089/269 41 2902 8132 2902 8133 EURO 1 9.0 165 020/200 240 2436 8222 9603 9692 EURO 2 9.5 200 020/200 280 2436 8223 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8223 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8223 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 EURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 165 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 148/328 215 2436 8233 9603 9692 PURO 3P 8.6 148/328 215 2431 2436 8233 9603 9692 PURO 3P 8.6 148/328 215 2431 2431 2431 2431 2431 2431 2431 2431						
EURO 2         9.5         200         020/200         280         2436 8233         9603 9692           EURO 3P         8.6         165         148/328         215         2436 8233         9603 9692           HKELECT (N)         14.6         262         170/350         290         2982 6270         2982 6274         9423 6670           HUDSW dist. from f/d 80m as per HUD         008/188         250         2431 2645         4436 670           KC 1-2         14.0         440 370         163/343         305         2431 2645         446 770           KC 3         14.0         440 370         163/343         305         2489 4745         446 4745           KC 4         14.2         440 370         163/343         305         2619 7792         448 4745           KC 5         15.0         440 400         073/253         564         2619 7792         448 4745           KC 6         14.2         350         073/253         564         2619 7792         448 4019         4792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792         448 4019 7792	EMTY-W2			089/269		
EURO 3P         8.6         165         148/328         215         2436 8233         9603 9692           HKELECT (N)         14.6         262         170/350         290         2982 6270         2982 6274         9423 6670           HKELECT (S)         14.6         262         170/350         290         2982 6270         2982 6274         9423 6670           HUDSW dist. from f/d 80m as per HUD         008/188         250         2431 2645         465           KC 1-2         14.0         440 370         163/343         305         2489 4745           KC 3         14.1         440 370         163/343         305         2619 7792           KC 6         14.2         340 400         073/253         457 472         2115 3552           KC 6         14.2         350         073/253         564         2619 7792           KC 7         15.0         350         073/253         564         2619 7792           KC 9         15.0         440 400         163/343         380         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 340         073/253         338						
HKELECT (N)						
HKELECT (S)						
HUDSW dist. from f/d 80m as per HUD  KC 1-2  14.0  410 370  163/343  305  2489 4745  KC 4  14.2  410 370  163/343  305  2489 4745  KC 4  14.2  410 370  163/343  305  2489 4745  KC 5  15.0  410 400  073/253  457 472  2115 3552  KC 6  14.2  350  073/253  564  2619 7792  KC 7  15.0  350  073/253  564  2619 7792  KC 8  15.0  410 400  163/343  380  2619 7792  KC 8  15.0  410 400  163/343  450  2619 7792  KC 8  15.0  410 400  163/343  450  2619 7792  KC 10  15.0  367 370  073/253  700  2619 7792  KC 11  15.0  367 340  073/253  338  2991 8022  KC 11  15.0  367 340  073/253  338  2991 8022  KC 13  15.0  410 370  073/253  338  2991 8022  KC 13  15.0  410 370  073/253  338  2276 8137  2276 8138  KC 14  15.0  410 370  073/253  338  2276 8137  2276 8138  KC 14  15.0  410 370  073/253  338  2276 8137  2276 8138  KC 14  15.0  410 370  163/343  350  2619 3021  KC 16  15.0  410 400  163/343  350  2619 3021  KC 16  15.0  410 400  163/343  350  2619 3021  KC 16  15.0  410 400  163/343  350  2619 3021  KC 17-18  15.0  410 400  163/343  350  2619 3021  KC 17-18  15.0  410 400  163/343  350  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KC 20  15.0  310  042/222  340  2920 2616  2920 2645  KTCT-1  11.0  365  134/314  450						
KC 1-2         14.0         410 370 163/343 305         2115 3552           KC 3         14.0         410 370 163/343 305         2489 4745           KC 4         14.2         410 370 163/343 305         2489 4745           KC 5         15.0         410 400 073/253 457 472         2115 3552           KC 6         14.2         350 073/253 564 2619 7792           KC 7         15.0         350 073/253 564 2619 7792           KC 8         15.0         410 400 163/343 380 2619 7792           KC 9         15.0         410 400 163/343 450 2619 7792           KC 10         15.0         367 370 073/253 700 2619 7792           KC 11         15.0         367 340 073/253 338 2991 8022           KC 12         15.0         367 340 073/253 338 2991 8022           KC 13         15.0         410 370 073/253 338 2991 8022           KC 14         15.0         367 340 073/253 338 2991 8022           KC 15         15.0         410 370 073/253 338 2991 8022           KC 16         15.0         410 370 073/253 338 276 8137 2276 8138           KC 15         15.0         410 370 073/253 338 2276 8137 2276 8138           KC 15         15.0         410 370 073/253 338 2276 8137 2276 8138           KC 15         15.0         410			262			
KC 3         14.0         410 370         163/343         305         2489 4745           KC 4         14.2         410 370         163/343         305         2619 7792           KC 5         15.0         410 400         073/253         457 472         2115 3552           KC 6         14.2         350         073/253         564         2619 7792           KC 7         15.0         350         073/253         564         2619 7792           KC 8         15.0         410 400         163/343         380         2619 7792           KC 9         15.0         410 400         163/343         380         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 340         073/253         338         2991 8022           KC 11         15.0         367 370         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 14         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         410 370			410.270			
KC 4         14.2         410 370         163/343         305         2619 7792           KC 5         15.0         410 400         073/253         457 472         2115 3552           KC 6         14.2         350         073/253         564         2619 7792           KC 7         15.0         350         073/253         564         2619 7792           KC 8         15.0         410 400         163/343         380         2619 7792           KC 9         15.0         410 400         163/343         450         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 370         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         440 370         073/253         338         2276 8138           KC 14         15.0         440 370         073/253         338         2276 8138           KC 15         15.0         440 370         073/253         338         2276 8138           KC 15         15.0         440 370         073/253						
KC 5         15.0         410 400         073/253         457 472         2115 3552           KC 6         14.2         350         073/253         564         2619 7792           KC 7         15.0         350         073/253         564         2619 7792           KC 8         15.0         440 400         163/343         380         2619 7792           KC 9         15.0         440 400         163/343         450         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 370         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         440 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         440 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         440 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         440 370         163/343         350         2619 3021         KC 16         15.						
KC 6         14.2         350         073/253         564         2619 7792           KC 7         15.0         350         073/253         564         2619 7792           KC 8         15.0         410 400         163/343         380         2619 7792           KC 9         15.0         410 400         163/343         450         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 340         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         410 370         073/253         338         2991 8022           KC 14         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         163/343         350         2619 3021           KC 16						
KC 7         15.0         350         073/253         564         2619 7792           KC 8         15.0         410 400         163/343         380         2619 7792           KC 9         15.0         410 400         163/343         450         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 340         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         410 370         073/253         338         2291 8022           KC 13         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         163/343         350         2619 3021         <						
KC 8         15.0         410 400         163/343         380         2619 7792           KC 9         15.0         410 400         163/343         450         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 340         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 400         163/343         350         2619 3021           KC 16         15.0         410 400         163/343         350						
KC 9         15.0         4H0 400         163/343         450         2619 7792           KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 340         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         4H0 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         4H0 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         4H0 370         073/253         338         2276 8137         2276 8138           KC 16         15.0         4H0 370         163/343         350         2619 3021         2276 8138           KC 17-18         15.0         4H0 400         163/343         350         2619 3021         2619 3021           KC 19         15.0         4H0 400         163/343         350         2920 2616         2920 2645           KC 20         15.0         310         042/222         340         2920 2616         2920 2645           KTCT-1         11.0         365						
KC 10         15.0         367 370         073/253         700         2619 7792           KC 11         15.0         367 340         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         410 370         073/253         338         2276 8138           KC 14         15.0         410 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         410 370         163/343         350         2619 3021           KC 16         15.0         410 400         163/343         350         2619 3021           KC 17-18         15.0         410 400         163/343         350         2920 2616         2920 2645           KC 29         15.0         410 400         163/343         350         2920 2616         2920 2645           KC 19         15.0         410 400         163/343         350         2920 2616         2920 2645           KC 20         15.0         310         042/222         340         2920 2616         2920 2645           KTCT-1         11.0         365         134/314         450						
KC 11         15.0         367 340         073/253         338         2991 8022           KC 12         15.0         367 370         073/253         338         2991 8022           KC 13         15.0         440 370         073/253         338         2276 8137         2276 8138           KC 14         15.0         440 370         073/253         338         2276 8137         2276 8138           KC 15         15.0         440 370         163/343         350         2619 3021           KC 16         15.0         440 400         163/343         350         2619 3021           KC 17-18         15.0         440 400         163/343         350         2920 2616         2920 2645           KC 19         15.0         410 400         163/343         200         2920 2616         2920 2645           KC 20         15.0         310         042/222         340         2920 2616         2920 2645           KTCT-1         11.0         365         134/314         450         -         -           LOP         8.0         122         089/269         125         2618 0192         9369 2741           MFT         5.0         120         104/284						
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KC 14       15.0       410 370       073/253       338       2276 8137       2276 8138         KC 15       15.0       410 370       163/343       350       2619 3021         KC 16       15.0       410 400       163/343       350       2619 3021         KC 17-18       15.0       410 400       163/343       350       2920 2616       2920 2645         KC 19       15.0       410 400       163/343       200       2920 2616       2920 2645         KC 20       15.0       310       042/222       340       2920 2616       2920 2645         KTCT-1       11.0       365       134/314       450       -       -         LOP       8.0       122       089/269       125       2618 0192       9369 2741         MFT       5.0       120       104/284       220       2547 4039         OTN       8.5       270       078/258       340       2118 8951         OTS       10.67       290       078/258       381       2118 8951         PAFF       15       280       135/315       505       2212 5720       2212 5721         RTT-1       8.5       175       116/296       200	KC 12	15.0	<del>367</del> 370	073/253		
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RTT-4     8.5     170     026/206     240     2122 7155     9728 6230       RTT-5     8.5     175     116/296     300     2122 7155     9728 6230       SHACHAU     7.5     120     163/343     152     2613 9127     2988 6161       SHELL     14.5     245     150/330     226     2432 8704				116/296		
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SHACHAU     7.5     120     163/343     152     2613 9127 2988 6161       SHELL     14.5     245     150/330     226     2432 8704						
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SHELL - 1E						
SHELL-LPG 8.0 135 150/330 118 2432 8704						
SINO-A 14.0 250 086/266 280 2431 3090						
SINO-B 7.5 120 086/266 129 2431 3090						
SINO-C 6.5 90 086/266 115 2431 3090						
SINO-CW 5.0 65 172/352 70 2558 8341						
SINO-3 7.5 120 124/304 >150 2431 3090	SINO-3			124/304		
SWSTL 11.5 200 125/305 215 2618 8761	SWSTL					
TPGAS 11.0 228 120/300 300 2666 2106 9092 1684						
TSK-MHB 8.0 120 038/218 140 2404 8402						2404 8402
YUENFAT 6.7 153 040/220 171	YUENFAT	6.7	153	040/220	171	

## Chapter: 9 - TROPICAL CYCLONE (TYPHOON) PROCEDURE

## When **T**tropical cyclone warning signal No.1 is hoisted issued

### Pilot office will:-

- 1. Give warning to tanker at Tolo harbour Town Gas wharf, remind the agent that tugs will required at least 5 hours notice &and the danger of pilot boarding station is exposed to weather.
- 2. Give warning to vessels at TSK Power Station, TSK CCC, SWSTL and Lamma Power Station.
- 3. Give warning to all tankers at tanker berths.

# When Typhoon tropical cyclone warning signal No.3 is hoisted issued

Pilot office should ensure:

- 1. Tankers at all berths (including Tolo) should clear berth as soon as possible.
- 2. Bulkers at TSK PST & TSK CCC, SWSTL and Lamma PST should clear berth as soon as possible.
- 3. Vessels not moored at a classified typhoon buoy or oversized vessels should clear mooring buoy as soon as possible.

If typhoon tropical cyclone warning signal No.8 is likely to be hoisted issued or the wind speed or wave height is likely to exceed the acceptable limit, Pilot office will, as far as practicable, try to give at leaset THREE TWO hours warning to all shipping through MARDEP before pilotage service is suspended. Templates at appendix to this chapter should be used.

(REMEMBER—tTugs may be used for pilot transportation if pilot boats could not be operated in heavy sea.)

All repair ships under repair at shipyards should be advised to clear docks as soon as possible especially for those vessels requiring towage to the buoy.

Pilot office will Aavoid the acceptance of any order for ships in bound to buoy at night when typhoon tropical cyclone warning signal No.3 is hoisted issued unless the prevailing condition is favourable.

## Pilotage suspension

Guideline for pilotage service may be suspended: -

Sustained wind speed over 33 knots

• Wave height over 1.5 metres

### Other useful information

MARDEP VTC Duty MO Controller 2233 7801-3 MARDEP VTC (FAX) 2858 6646

MARDEP VTC (TELEX) 63607 MDVTS HX
Hong Kong Observatory 2926 8477 / 2926 8478 inquiry on public
Dial-a-Weather service weather 1878200

# Appendix I to Chapter 9 – template for suspension of pilotage service

領港服務將暫停 *****
電台及電視台當值宣布員注意:
請盡速播出下列消息及在適當時間重播:
海事處請船東、船隻代理、船主及其他港口使用人士注意,由於熱帶氣旋關係, 領港服務將會由今日(月日)上午/下午時起暫停。
完
二〇一 年 月 日(星期 )
Pilotage service to be suspended **********************************
Attention duty announcers, radio and TV stations:
Please broadcast the following as soon as possible and repeat it at suitable intervals:
The Marine Department advises shipowners, agents, masters and other port users that due to the tropical cyclone, pilotage service will be suspended from am/pm today ( ).
Ends/ NNNN

# Appendix II to Chapter 9 – template for resumption of pilotage service

領港服務將恢復 ******
電台及電視台當值宣布員注意:
請盡速播出下列消息及在適當時間重播:
海事處請船東、船隻代理、船長及其他港口使用人士注意,領港服務將於今日 ( 月 日)上午/下午 時起局部恢復,並於稍後天氣好轉時全面恢 復。
完
二〇一 年 月 日(星期 )
Pilotage service to resume ************************************
Attention duty announcers, radio and TV stations:
Please broadcast the following as soon as possible and repeat it at suitable intervals:
The Marine Department advises shipowners, agents, masters and other port users that pilotage service will partially resume from am/pm today ( ) and will fully resume when weather conditions improve.
Ends/ NNNN

# Appendix III to Chapter 9 – template for delay in resumption of pilotage service

領港服務將延遲恢復 *****
電台及電視台當值宣布員注意:
請盡速播出下列消息及在適當時間重播:
海事處請船東、船隻代理、船長及其他港口使用人士注意,由於天氣情況惡化, 領港服務將延遲至今日(月日)上午/下午時恢復。
完
二〇一 年 月 日(星期 )
Resumption of pilotage service delayed ************************************
Attention duty announcers, radio and TV stations:
Please broadcast the following as soon as possible and repeat it at suitable intervals:
The Marine Department advises shipowners, agents, masters and other port users that due to deteriorating weather conditions, resumption of pilotage service is delayed until am/pm today ( ).
Ends/ NNNN

# Chapter: 10 MISCELLANEOUS

# **Locations displaying Tropical cyclone and Monsoon signal stations**

- 1. Cheung Chau Meteorological Station Tel:2981 1041
- 2. Lau Fau Shan Police Station 2472 1241 2472 7213
- 3. Sha Tau Kok Police Station 2674 8600
- 4. Sha Tau Kok Sewage treatment works 2674 8644
- 5. Tai Lam Small Boat Unit Headquarters 2452 9254

# Width of fairway

Eastern fairway	412m
Hung Hom fairway	370m
Central fairway	370m
Northern fairway	305m
Southern fairway	220m
Sulphur channel	280m
North Green Island fairway	244m

# Naval anchorage

	Mooring Buoys	Location	
1.	ZA1	22° 18. <del>17-56</del> N 114°	° 08. <mark>45-</mark> 61E
2.	ZA2	22° 18. <mark>44-35</mark> N 114°	° 08. <del>35</del> -51E
3.	ZB1	22° 18. <del>80-71</del> N 114°	08. <del>26-40</del> E
4.	ZB2	22° 18. <del>61-51</del> N 114°	08. <del>19</del> -35E

# Pilot station

	Name	Loca	tion
1.	Tathong Channel	<del>22°16.0N</del>	<del>114•15.7E</del>
<del>2.</del>	Urmston Road (TSK)	<del>22°23.5N</del>	<del>113°53.5E</del>
<del>3.</del>	Chik Chau	<del>22°29.6N</del>	<del>114°19.7E</del>
4.	Ngan Chau	22°13.0N	<del>114°09.7E</del>
<del>5.</del>	West Lamma	<del>22°12.0N</del>	<del>114°05.3E</del>
1.	Area off Ha Mei Wan, west	22° 12.0'N	114° 05.3'E
	of Lamma Island		

2.	Area off the turning buoy in	22° 16.0'N	114° 15.7'E
	the Tathong Channel		
3.	Area off Lam Kok Tsui	22° 25.0'N	113° 53.2'E
	(Black Point) in Urmston		
	Road		
4.	Area off the entrance to	22° 29.6'N	114° 19.7'E
	Tolo Channel (Chik Chau)		
5.	Area off Ngan Chau in East	22° 13.0'N	114° 09.7'E
	Lamma Channel		

# Other useful location

Ngan Chau	22° 13.0N	114° 11.0E	
Shek Kok Tsui	22° 14.2N	114° 06.1E	
Waglan	22°11.0N	114° 18.0E	
Yuen Kok	22° 11.0N	114° 08.8E	
SW Lamma Island	22° 10.0N	114° 06.0E	
Tuen Mun anchorage	22° 21.3N	113° 59.2E	
	22° 21.3N	113° 58.4E	
	22° 21.7N	113° 58.4E	

# Chapter: 12 **BERTHING GUIDELINES**

# \*\* INDEX \*\*

Code	Locations
ASB-JB	ASB Biodiesel Terminal (Junk Bay)
BUOY	Government mooring buoy
CCEMENT	China Cement Company (TSK)
CFT	China ferry terminal
CHT	Cruise Ship Transiting Central
CIII	Harbour
CLPTSK	China light power station (TSK)
CMKEN-N	China Merchant Kennedy Town
CIVINEIN-IN	north berth
CMKEN-S	China Merchant Kennedy Town
	south berth
CVX	Chevron T/Y main berth
CVX-5	Chevron T/Y No. 5 berth
CVX-6A	Chevron T/Y No. 6A berth
CVX-LPG	Chevron T/Y LPG berth
EMTY-E1	ExxonMobil T/Y east terminal berth 1
EMTY-E4	ExxonMobil T/Y east terminal berth 4
EMTY-W1	ExxonMobil T/Y west terminal berth 1
EMTY-W2	ExxonMobil T/Y west terminal berth 2
EURO 1 <del>,2, 3P</del>	Euro-Asia berth 1,2 & 3P
EURO 2	Euro-Asia berth 2
EURO 3P	Euro-Asia berth 3P
HKELECT(N)	Lamma power station north wharf
HKELECT(S)	Lamma power station south wharf
JBDGA	Junk Bay DG anchorage
KC1,2 <mark>,3</mark>	Kwai Chung berth 1, 2 & 3 1&2
KC3	Kwai Chung berth 3
KC4	Kwai Chung berth 4
KC5	Kwai Chung berth 5
KC6	Kwai Chung berth 6
KC7	Kwai Chung berth 7
KC6/O-F	Kwai Chung berth 6 outer-foul
KC7/O-F	Kwai Chung berth 7 outer-foul
KC8, 9	Kwai Chung berth 8& 9
KC10C, 10E	Kwai Chung berth 10C & 10E
KC10W	Kwai Chung berth 10W
KC11	Kwai Chung berth 11
	Kwai Chung berth <del>10</del> -12
NC <del>1U</del> 12	
KC <del>10-</del> 12 KC13-14	
KC13-14	Kwai Chung berth 13-14
KC13-14 KC15	Kwai Chung berth 13-14 Kwai Chung berth 15
KC13-14 KC15 KC16-19	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19
KC13-14 KC15 KC16-19 KC20	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19 Kwai Chung berth 20
KC13-14 KC15 KC16-19 KC20 KEL-1	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19 Kwai Chung berth 20 Kellett Anchorage No. 1
KC13-14 KC15 KC16-19 KC20 KEL-1 KEL-2	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19 Kwai Chung berth 20 Kellett Anchorage No. 1 Kellett Anchorage No. 2
KC13-14 KC15 KC16-19 KC20 KEL-1 KEL-2 KEL-3	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19 Kwai Chung berth 20 Kellett Anchorage No. 1 Kellett Anchorage No. 2 Kellett Anchorage No. 3
KC13-14 KC15 KC16-19 KC20 KEL-1 KEL-2 KEL-3 KTCT-1	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19 Kwai Chung berth 20 Kellett Anchorage No. 1 Kellett Anchorage No. 2 Kellett Anchorage No. 3 Kai Tak Cruise Terminal berth 1
KC13-14 KC15 KC16-19 KC20 KEL-1 KEL-2 KEL-3 KTCT-1	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19 Kwai Chung berth 20 Kellett Anchorage No. 1 Kellett Anchorage No. 2 Kellett Anchorage No. 3 Kai Tak Cruise Terminal berth 1 Kau Yi Chau DG anchorage
KC13-14 KC15 KC16-19 KC20 KEL-1 KEL-2 KEL-3 KTCT-1	Kwai Chung berth 13-14 Kwai Chung berth 15 Kwai Chung berth 16-19 Kwai Chung berth 20 Kellett Anchorage No. 1 Kellett Anchorage No. 2 Kellett Anchorage No. 3 Kai Tak Cruise Terminal berth 1

Code	Locations
MWA	Ma Wan anchorage
NLA	North Lamma anchorage
NWLA	North West Lamma anchorage
OTN	Ocean Terminal north berth
OTNO	Ocean Terminal north berth outer-foul
OTS	Ocean Terminal south berth
OTSO	Ocean Terminal south berth outer-foul
PAFF	Permanent Aviation Fuel Facility
PSSA-E	Pun Shan Shek anchorage east
PSSA-W	Pun Shan Shek anchorage west
RDGA	Reserved dangerous goods anchorage
RTT-1	River Trade Terminal No.1 berth
RTT-2	River Trade Terminal No.2 berth
RTT-4	River Trade Terminal No.4 berth
RTT-5	River Trade Terminal No.5 berth
SEATRIAL	Sea trial, compass adjustment &
	DF calibration
SHACHAU	Sha Chau oil terminal (TSK)
SHELL	Shell oil terminal main berth
SHELL-1E	Shell No. 1 east & west berth
SHELL-2E	Shell No. 2 & 3 east & west berth
SHELL-LPG	Shell oil terminal LPG berth
SINO-A	Sinopec T/Y main berth (A)
SINO-B	Sinopec T/Y west berth (B)
SINO-B SINO-C	Sinopec T/Y east berth (C)
SINO-CW	
	Sinopec Chai Wan berth
SINO-3	Sinopec T/Y No. 3 berth
SLA	Anchorages South of Lamma Island
SSK-1	Sham Shui Kok Anchorage No. 1
SSK-2	Sham Shui Kok Anchorage No. 2
SWSTL	Shiu Wing steel wharf (TSK)
THA	Tolo harbour anchorage
TOW	Ship under tow
TOW-BERTH	Ship under tow to/from berth
TPGAS	Tolo harbour Town Gas wharf
TSK-MHB	Tap Shek Kok Material Handling Berth
TYD	Floating docks west of T/Y Island
URMPS /	Transit Mawan – Bulker & Tanker
URMA	(All vessels other than passenger
	& container ship)
URMPS-C /	Transit Mawan – Passenger &
URMA-C	Container ship
WA-1	Western anchorage No.1
WA-2	Western anchorage No.2
WA-3	Western anchorage No.3
WQA	Western quarantine anchorage
YMTA	Yau Ma Tei anchorage
YUENFAT	Yuen Fat wharf No.2 berth

Location: KC1-2 -1,2,3 Kwai Chung berth 1-2 1, 2, 3

(Declared Depth at berth 14.0m)

_	Berthing LOA: Max 130m Max. 14.0m + tide – 10% UKC 24 hrs. 1. 2 if D>8m. Ro-Ro vessel 2 tugs if adverse weather.	011 Draft: Time: Tugs: Remarks	Unberthing LOA: Max 130m Max. 14.0m + tide – 10% UKC 24 hrs. 1. 2 if no anchor down. : Ro-Ro vessel 2 tugs if adverse weather.
020 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 230m Max. 14.0m + tide – 10% UKC 24 hrs.	021 Draft: Time: Tugs: Remarks	Unberthing LOA: Max 230m Max. 14.0m + tide – 10% UKC 24 hrs. 2
030 Draft: Time: Tugs:	Berthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
040 Draft: Time: Tugs:	Berthing LOA: Max 340m Max. 14.0m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster.	041 Draft: Time: Tugs:	Unberthing LOA: Max 340m Max. 14.0m + tide – 10% UKC 24 hrs. 2.

**Remarks:** 

050 **Berthing** LOA: Max410m 370m Max. 14.0m + tide - 10% UKC **Draft:** Time: 24 hrs. **Tugs:** 3 incl. 1 GI est. if no bow thruster.

2 if bow & stern thrusters fitted. D>12.5m13.0m, 4 incl. 1 GI est. if

1 if bow & stern thrusters fitted.

no bow thruster.

051 **Unberthing** LOA: Max 410m 370m

1 if bow & stern thrusters fitted.

**Draft:** Max. 14.0m + tide - 10% UKC

Time: 24 hrs.

Remarks:

**Tugs:** 32, 21 if bow & stern thrusters

fitted.

D>13.0m, 3, 2 if bow & stern

thrusters fitted.

#### **Remarks: Remarks:**

- Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- 2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- 3. KC<del>1,2&3</del>1 & 2 – Berth Length 305m each.

Location: KC<sub>1,2,3</sub> Kwai Chung berth 1,2, 3

(Declared Depth at berth 14.0m)

010	<b>Berthing</b> LOA: Max 130m	011	<b>Unberthing</b> LOA: Max 130m
Draft:	Max. $14.0m + tide - 10\% UKC$	<b>Draft:</b>	Max. 14.0m + tide – 10% UKC
Time:	24 hrs.	Time:	24 hrs.
<b>Tugs:</b>	1. 2 if D>8m.	<b>Tugs:</b>	1. 2 if no anchor down.
Remarks	Ro-Ro vessel 2 tugs if adverse	Remarks	: Ro-Ro vessel 2 tugs if adverse
	weather.		weather.
020	<b>Berthing</b> LOA: Max 230m	021	<b>Unberthing</b> LOA: Max 230m
Draft:	Max. $14.0m + tide - 10\% UKC$	<b>Draft:</b>	Max. 14.0m + tide – 10% UKC
Time:	24 hrs.	Time:	24 hrs.
<b>Tugs:</b>	2	<b>Tugs:</b>	2
Remarks		Remarks	•
Ttermar mo			•
			•
030	<b>Berthing</b> LOA: Max 270m	031	Unberthing LOA: Max 270m
030	<b>Berthing</b> LOA: Max 270m	031	<b>Unberthing</b> LOA: Max 270m
030 <b>Draft:</b>	<b>Berthing</b> LOA: Max 270m Max. 14.0m + tide – 10% UKC	031 <b>Draft:</b>	Unberthing LOA: Max 270m Max. 14.0m + tide – 10% UKC
030 <b>Draft: Time:</b>	<b>Berthing</b> LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs.	031 <b>Draft: Time:</b>	Unberthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs.
030 <b>Draft: Time:</b>	Berthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 <b>Draft: Time:</b>	Unberthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
030 Draft: Time: Tugs:	Berthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
030 Draft: Time: Tugs:	Berthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
030 Draft: Time: Tugs:	Berthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 14.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.

**Tugs: Tugs:** 1 if bow & stern thrusters fitted. Remarks: Remarks:

3 incl. 1 GI est. if no bow thruster.

050 **Berthing** LOA: Max 410m370m **Draft:** Max. 14.0m + tide - 10% UKC Time: 24 hrs.

**Tugs:** 3 incl. 1 GI est. if no bow thruster. 2 if bow & stern thrusters fitted.

D>12.5m13.0m, 4 incl. 1 GI est. if

no bow thruster.

051 Unberthing LOA: Max 410m 370m

1 if bow & stern thrusters fitted.

**Draft:** Max. 14.0m + tide - 10% UKC

Time: 24 hrs.

**Tugs:** 32, 21 if bow & stern thrusters

fitted.

D>13.0m, 3, 2 if bow & stern

thrusters fitted.

**Remarks:** Remarks:

- Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & 2. HK Pilots in ample time for consideration.
- KC <del>1,2&</del> 3 Berth Length 305m. 3.

thrusters fitted.

Location: KC4 Kwai Chung berth 4

(Declared Depth at berth 14.2m)

010 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 130m Max. 14.2m + tide – 10% UKC 24 hrs. 1. 2 if D>8m. Ro-Ro vessel 2 tugs if adverse weather.	011 Draft: Time: Tugs: Remarks:	Unberthing LOA: Max 130m Max. 14.2m + tide – 10%UKC 24 hrs. 1. 2 if no anchor down. Ro-Ro vessel 2 tugs if adverse weather.
020 Draft: Time: Tugs: Remarks:	<b>Berthing</b> LOA: Max 230m Max. 14.2m + tide – 10% UKC 24 hrs.	021 Draft: Time: Tugs: Remarks:	Unberthing LOA: Max 230m Max. 14.2m + tide – 10%UKC 24 hrs.
030 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 270m Max. 14.2m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 14.2m + tide – 10%UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
040 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 340m Max. 14.2m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	041 Draft: Time: Tugs:	Unberthing LOA: Max 340m Max. 14.2m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
050 Draft: Time: Tugs:	Berthing LOA: Max 410m 370m Max. 14.2m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster. 2 if bow & stern thrusters fitted. D>12.5m 13.0m, 4 incl. 1 GI est.	051 Draft: Time: Tugs:	Unberthing LOA: Max 410m 370m Max. 14.2m + tide – 10% UKC 24 hrs. 3 2, 2 1 if bow & stern thrusters fitted. D>13.0m, 3, 2 if bow & stern

# Remarks: Remarks:

if no bow thruster.

- 1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- 2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.

Location: KC5 Kwai Chung berth 5

(Declared Depth at berth 15.5m)

O	Berthing LOA: Max 130m Max. 15.0m + tide – 10% UKC 24 hrs. 1. 2 if D>8m. Ro-Ro vessel 2 tugs if adverse weather.	011 Draft: Time: Tugs: Remarks	Unberthing LOA: Max 130m Max. 15.0m + tide – 10% UKC 24 hrs. 1. 2 if no anchor down. Ro-Ro vessel 2 tugs if adverse weather.
020 Draft: Time: Tugs: Remarks	<b>Berthing</b> LOA: Max 230m Max. 15.0m + tide – 10% UKC 24 hrs. 2	021 Draft: Time: Tugs: Remarks	Unberthing LOA: Max 230m Max. 15.0m + tide – 10% UKC 24 hrs. 2
030 Draft: Time: Tugs:	Berthing LOA: Max 270m Max. 15.0m + tide – 10%UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 15.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
040 Draft: Time: Tugs:	Berthing LOA: Max 300m Max. 15.0m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	041 Draft: Time: Tugs:	Unberthing LOA: Max 300m Max. 15.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
040050 Draft: Time: Tugs:	Berthing LOA: Max 340m Max. 15.0m + tide – 10%UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	041051 Draft: Time: Tugs: Remarks	Unberthing LOA: Max 340m Max. 15.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted. : D&N LW+1 to HW+1, thrusters not considered.
050060 Draft: Time: Tugs:	Berthing LOA: Max410m370m Max. 15.0m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster.	051061 Draft: Time: Tugs:	Unberthing LOA: Max 410m370m Max. 15.0m + tide – 10% UKC 24 hrs. 3, 2 if bow & stern thrusters fitted.

Remarks: Remarks:

2 if bow & stern thrusters fitted. D>12.5m, 4 incl. 1 GI est. if no

bow thruster.

Location: KC5 Kwai Chung berth 5

(Declared Depth at berth 15.5m)

 070
 Berthing
 LOA: Max 400m
 071
 Unberthing
 LOA: Max 400m

 Draft:
 Max. 15.0m + tide - 10% UKC
 Draft:
 Max. 15.0m + tide - 10% UKC

Time:24 hrs.Time:24 hrs.Tugs:4 incl. 1 GI est. if no bow thruster.Tugs:4.

D>12.5m, 5 incl. 1 GI est. if no bow thruster, 4 if one 5000HP tug

is used.

Remarks: All quay cranes at KC1 must be Remarks: All quay cranes at KC1 must be

boom up. boom up.

Port side to.

## **General Remarks:**

1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.

2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.

3. KC5 – Berth Length 457 472m.

Location: KC6 Kwai Chung berth 6

(Declared Depth at berth 14.2m)

010	Berthing	LOA: Max 130m	011	Unberthing	LOA: Max 130m
Draft:	Max. 14.2m	+ tide - 10%UKC	Draft:	Max. 14.2m +	tide – 10% UKC
Time:	24 hrs.		Time:	24 hrs.	

1. 2 if D>8m. Tugs:

**Tugs:** 1. 2 if no anchor down. Remarks: Ro-Ro vessel 2 tugs if adverse Remarks: Ro-Ro vessel 2 tugs if adverse

> weather. weather.

020 LOA: Max 230m 021 Unberthing LOA: Max 230m **Berthing** Max. 14.2m + tide - 10%UKCMax. 14.2m + tide - 10%UKC**Draft: Draft:** Time: 24 hrs. Time: 24 hrs. **Tugs:** 

Tugs: **Remarks: Remarks:** 

030 Berthing LOA: Max 270m 031 Unberthing LOA: Max 270m **Draft:** Max. 14.2m + tide - 10%UKCDraft: Max. 14.2m + tide - 10%UKC

Time: 24 hrs. Time: 24 hrs. **Tugs:** 2 incl. 1 GI est. if no bow thruster. Tugs: 2.

1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

**Remarks: Remarks:** 

040 041 **Berthing** LOA: Max 300m Unberthing LOA: Max 300m Max. 14.2m + tide - 10% UKC Max. 14.2m + tide - 10% UKC **Draft: Draft:** 

24 hrs. Time: 24 hrs. Time: **Tugs:** 

3 incl. 1 GI est. if no bow thruster. Tugs: 2. 1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

Remarks: Remarks:

040050 **Berthing** LOA: Max 340m 041051 Unberthing LOA: Max 340m Max. 14.2m + tide - 10%UKCMax. 14.2m + tide - 10%UKCDraft: Draft: Time: 24 hrs. Time: 24 hrs.

3 incl. 1 GI est. if no bow thruster. **Tugs:** Tugs: 2, 1 if bow & stern thrusters fitted.

> 1 if bow & stern thrusters fitted. D>12.5m, 3, 1 if bow & stern

thrusters fitted.

Remarks: Remarks:

<del>050</del>060 **Berthing** LOA: Max 350m 051061 **Unberthing** LOA: Max 350m Max. 14.2m + tide - 10% UKC Max. 14.2m + tide - 10% UKC **Draft: Draft:** 

Time: 24 hrs. Time: 24 hrs.

Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 3, 2 if bow & stern thrusters fitted.

> 2 if bow & stern thrusters fitted. D>12.5m, 4 incl. 1 GI est. if no

bow thruster.

Remarks: Port side to. **Remarks:** 

- 1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & 2. HK Pilots in ample time for consideration.
- 3. KC6/7 Basin declared depth 15.5m.

Location: KC6/O-F Kwai Chung berth 6 outer-foul

(Declared Depth at berth 14.2m)

 010
 Berthing
 LOA: Max 200m
 011
 Unberthing
 LOA: Max 200m

 Draft:
 Max. 10.0m + tide - 10% UKC
 Draft:
 Max. 10.0m + tide - 10% UKC

 Time:
 24 hrs.

 Tugs:
 2

 Remarks:
 2

 Remarks:
 2

**Olimite** 010020 **Berthing** LOA: Max 250m **Olimite** 011021 **Unberthing** LOA: Max 250m **Draft:** Max. 14.2m + tide - 10% UKC **Draft:** Max. 14.2m + tide - 10% UKC

**Time:** 24 hrs. **Time:** 24 hrs. **Tugs:** 2 **Tugs:** 2

**Remarks:** Thruster not considered. **Remarks:** Thrusters not considered.

**Objection Objective Objec** 

**Time:** 24 hrs. **Time:** 24 hrs. **Tugs:** 3 **Tugs:** 2

**Remarks:** No stern in. **Remarks:** Thrusters not considered.

Full length of opposite berth

must be clear.

- →1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- →-2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- →3. KC6/7 Basin declared depth 15.5m

Location: KC7 Kwai Chung berth 7

(Declared Depth at berth 15.5m)

010	<b>Berthing</b> LOA: Max 130m	011	<b>Unberthing</b> LOA: Max 130m
<b>Draft:</b>	Max. $15.0m + tide - 10\% UKC$	<b>Draft:</b>	Max. $15.0m + tide - 10\%UKC$
Time:	24 hrs.	Time:	24 hrs.

Tugs: 1. 2 if D>8m. Tugs: 1. 2 if no anchor down. Remarks: Ro-Ro vessel 2 tugs if adverse

**Remarks:** Ro-Ro vessel 2 tugs if adverse weather. weather.

020 **Berthing** LOA: Max 230m 021 Unberthing LOA: Max 230m Max. 15.0m + tide - 10%UKCMax. 15.0m + tide - 10%UKC**Draft: Draft:** 

Time: 24 hrs. Time: 24 hrs. **Tugs:** Tugs: **Remarks: Remarks:** 

030 **Berthing** LOA: Max 270m 031 Unberthing LOA: Max 270m Draft: Max. 15.0m + tide - 10% UKCDraft: Max. 15.0m + tide - 10% UKC

Time: 24 hrs. Time: 24 hrs. 2 incl. 1 GI est, if no bow thruster. 2.

Tugs: Tugs: 1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

**Remarks: Remarks:** 

040 041 **Berthing** LOA: Max 300m Unberthing LOA: Max 300m Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC**Draft: Draft:** 24 hrs.

Time: 24 hrs. Time: **Tugs:** 3 incl. 1 GI est. if no bow thruster. Tugs: 2.

1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

Remarks: Remarks:

040050 **Berthing** LOA: Max 340m 041051 Unberthing LOA: Max 340m Max. 15.0m + tide - 10%UKCMax. 15.0m + tide - 10%UKCDraft: Draft: Time:

24 hrs. Time: 24 hrs.

3 incl. 1 GI est. if no bow thruster. **Tugs:** Tugs: 2, 1 if bow & stern thrusters fitted.

> 1 if bow & stern thrusters fitted. D>12.5m, 3, 1 if bow & stern

thrusters fitted.

Remarks: Remarks:

<del>050</del>060 **Berthing** LOA: Max 350m 051061 **Unberthing** LOA: Max 350m Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC Draft: **Draft:** 

Time: 24 hrs. Time: 24 hrs.

Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 3, 2 if bow & stern thrusters fitted.

> 2 if bow & stern thrusters fitted. D>12.5m, 4 incl. 1 GI est. if no

bow thruster.

Remarks: Starboard side to. **Remarks:** 

- Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals. 1.
- Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- KC6/7 Basin declared depth 15.5m.

Location: KC7/O-F Kwai Chung berth 7 outer-foul

(Declared Depth at berth 15.5m)

 010
 Berthing
 LOA: Max 200m
 011
 Unberthing
 LOA: Max 200m

 Draft:
 Max. 10.0m + tide - 10% UKC
 Draft:
 Max. 10.0m + tide - 10% UKC

 Time:
 24 hrs.
 Time:
 24 hrs.

 Tugs:
 2
 Tugs:
 2

 Remarks:
 Remarks:

 010020
 Berthing
 LOA: Max 250m
 011021
 Unberthing
 LOA: Max 250m

 Draft:
 Max. 15.0m + tide - 10% UKC
 Draft:
 Max. 15.0m + tide - 10% UKC

 Time:
 24 hrs.

 Tugs:
 2

 Tugs:
 2

**Remarks:** Thruster not considered. **Remarks:** Thrusters not considered.

**Objection Objective Objec** 

**Time:** 24 hrs. **Time:** 24 hrs. **Tugs:** 3 **Tugs:** 2

**Remarks:** No stern in. **Remarks:** Thrusters not considered.

Full length of opposite berth must

be clear.

- →1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- →-2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- →-3. KC6/7 Basin declared depth 15.5m

D>13.0m, 3, 2 if bow & stern

thrusters fitted.

# **ON TRIAL**

Location: KC8-9 Kwai Chung berth 8-9

(Declared Depth at berth 15.5m)

010 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 130m Max. 15.0m + tide – 10%UKC 24 hrs. 1. 2 if D>8m. Ro-Ro vessel 2 tugs if adverse weather.	011 Draft: Time: Tugs: Remarks:	Unberthing LOA: Max 130m Max. 15.0m + tide – 10%UKC 24 hrs. 1. 2 if no anchor down. Ro-Ro vessel 2 tugs if adverse weather.
020 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 230m Max. 15.0m + tide – 10% UKC 24 hrs.	021 Draft: Time: Tugs: Remarks:	Unberthing LOA: Max 230m Max. 15.0m + tide – 10%UKC 24 hrs.
030 Draft: Time: Tugs:	Berthing LOA: Max 270m Max. 15.0m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 15.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
040 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 340m Max. 15.0m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted.	041 Draft: Time: Tugs: Remarks:	Unberthing LOA: Max 340m Max. 15.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
050 Draft: Time: Tugs:	Berthing LOA: Max 410m370m Max. 15.0m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster. 2 if bow & stern thrusters fitted.	051 Draft: Time: Tugs:	Unberthing LOA: Max 410m370m Max. 15.0m + tide – 10% UKC 24 hrs. 32, 21 if bow & stern thrusters fitted.

Remarks: Remarks:

D>12.5m13.0m, 4 incl. 1 GI est. if

no bow thruster.

Location: KC8-9 Kwai Chung berth 8-9

(Declared Depth at berth 15.5m)

 060
 Berthing
 LOA: Max 400m
 061
 Unberthing
 LOA: Max 400m

 Draft:
 Max. 15.0m + tide - 10% UKC
 Draft:
 Max. 15.0m + tide - 10% UKC

Time: 24 hrs. Time: 24 hrs. Tugs: 4 incl. 1 GI est. if no bow thruster. Tugs: 4.

D>13.0m, 5 incl. 1 GI est. if no bow thruster, 4 if one 5000HP tug

is used.

Remarks: Remarks:

### **General Remarks:**

1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.

2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.

D>12.5m, 3, 1 if bow & stern

thrusters fitted.

Location : KC<del>10-12</del> 10C,10E **Kwai Chung berth** 10 - 12 10C & 10E

(Declared Depth at berth 15.5m)

(Declared Depth at berth 15.5m)			
010 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 130m Max. 15.0m + tide – 10%UKC 24 hrs. 1. 2 if D>8m. Ro-Ro vessel 2 tugs if adverse weather.	011 Draft: Time: Tugs: Remarks:	Unberthing LOA: Max 130m Max. 15.0m + tide – 10% UKC 24 hrs. 1. 2 if no anchor down. Ro-Ro vessel 2 tugs if adverse weather.
020 Draft: Time: Tugs: Remarks:	<b>Berthing</b> LOA: Max 230m Max. 15.0m + tide – 10% UKC 24 hrs.	021 Draft: Time: Tugs: Remarks:	Unberthing LOA: Max 230m Max. 15.0m + tide – 10% UKC 24 hrs.
030 Draft: Time: Tugs:	Berthing LOA: Max 270m Max. 15.0m + tide – 10% UKC 24 hrs. 2 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted. Stern in 3 tugs.	031 Draft: Time: Tugs:	Unberthing LOA: Max 270m Max. 15.0m + tide – 10% UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
040 Draft: Time: Tugs: Remarks:	Berthing LOA: Max 300m Max. 15.0m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster. 1 if bow & stern thrusters fitted. Stern in 3 tugs.	041 Draft: Time: Tugs:	Unberthing LOA: Max 300m Max. 15.0m + tide – 10%UKC 24 hrs. 2. 1 if bow & stern thrusters fitted.
040050 Draft: Time: Tugs:	Berthing LOA: Max 340m Max. 15.0m + tide – 10% UKC 24 hrs. 3 incl. 1 GI est. if no bow thruster.	041051 Draft: Time: Tugs:	Unberthing LOA: Max 340m Max. 15.0m + tide – 10% UKC 24 hrs. 2, 1 if bow & stern thrusters fitted.

Remarks: Stern in 3 tugs Port side to. Remarks:

1 if bow & stern thrusters fitted.

050 Draft:	Berthing LOA: Max 367m Max. 15.0m + tide – 10% UKC	051 Draft:	Unberthing LOA: Max 367m Max. 15.0m + tide - 10%UKC
Time:	<del>24 hrs.</del>	Time:	<del>24 hrs.</del>
Tugs:	3 incl. 1 GI est. if no bow thruster.	Tugs:	3, 2 if bow & stern thrusters fitted.
	2 if bow & stern thrusters fitted.		

D>12.5m, 4 incl. 1 GI est. if no

bow thruster.

Remarks: Stern in 4 tugs Remarks:

- 1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- 2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- 3. LOA>270m berthing stern in, each tug 3600 HP min. In case 3 tugs are used, min. total 10800 HP. Min. 2 tugs if bow/stern thruster are fitted.

### **ON TRIAL**

Location : KC<del>10-12</del> 10W **Kwai Chung berth** <del>10-12</del> 10W

(Declared Depth at berth 15.5m)

 010
 Berthing
 LOA: Max 130m
 011
 Unberthing
 LOA: Max 130m

 Draft:
 Max. 15.0m + tide - 10%UKC
 Draft:
 Max. 15.0m + tide - 10%UKC

**Time:** 24 hrs. **Time:** 24 hrs.

**Tugs:** 1. 2 if D>8m. **Tugs:** 1. 2 if no anchor down.

Remarks: Ro-Ro vessel 2 tugs if adverse Remarks: Ro-Ro vessel 2 tugs if adverse

weather. weather.

 Time:
 24 hrs.

 Tugs:
 2

 Remarks:
 Remarks:

 030
 Berthing
 LOA: Max 270m
 031
 Unberthing
 LOA: Max 270m

 Draft:
 Max. 15.0m + tide - 10%UKC
 Draft:
 Max. 15.0m + tide - 10%UKC

**Time:** 24 hrs. **Time:** 24 hrs.

**Tugs:** 2 incl. 1 GI est. if no bow thruster. **Tugs:** 2. 1 if bow & stern thrusters

1 if bow & stern thrusters fitted. fitted.

**Remarks:** Stern in 3 tugs. **Remarks:** 

040 **Berthing** LOA: Max 300m 041 **Unberthing** LOA: Max 300m **Draft:** Max. 15.0m + tide - 10%UKC **Draft:** Max. 15.0m + tide - 10%UKC

Time:

**Tugs:** 

**Remarks:** 

Time: 24 hrs.

**Tugs:** 3 incl. 1 GI est. if no bow thruster.

1 if bow & stern thrusters fitted.

1 if bow & stern thrusters fitted.

**Remarks:** Stern in 3 tugs.

 040050
 Berthing
 LOA: Max 340m
 041051
 Unberthing
 LOA: Max 340m

 Draft:
 Max. 15.0m + tide - 10%UKC
 Draft:
 Max. 15.0m + tide - 10%UKC

**Time:** 24 hrs. **Time:** 24 hrs.

Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 2, 1 if bow & stern thrusters fitted.

D>12.5m, 3, 1 if bow & stern

1 if bow & stern thrusters fitted.

thrusters fitted.

24 hrs.

2.

**Remarks:** Stern in 3 tugs. **Remarks:** 

### **ON TRIAL**

Location : KC<del>10-12</del> 10W **Kwai Chung berth** <del>10 - 12</del> 10W

(Declared Depth at berth 15.5m)

**050**060 **Berthing** LOA: Max 367m370m **051**061 **Unberthing** LOA: Max 367m370m

**Draft:** Max. 15.0m + tide - 10% UKC **Draft:** Max. 15.0m + tide - 10% UKC

**Time:** 24 hrs. **Time:** 24 hrs.

**Tugs:** 3 incl. 1 GI est. if no bow thruster. **Tugs:** 3, 2 if bow & stern thrusters fitted.

2 if bow & stern thrusters fitted. D>12.5m, 4 incl. 1 GI est. if no

bow thruster.

**Remarks:** Stern in 4 tugs Port side to. Remarks:

## **General Remarks:**

1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.

- 2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- 3. LOA>270m berthing stern in, each tug 3600 HP min. In case 3 tugs are used, min. total 10800 HP. Min. 2 tugs if bow/stern thruster are fitted.

Location : KC<del>10-12</del> 11 Kwai Chung berth  $\frac{10-12}{11}$ 

(Declared Depth at berth 15.5m)

010	<b>Berthing</b> LOA: Max 130m	011	<b>Unberthing</b> LOA: Max 130m
Draft:	Max. $15.0m + tide - 10\%UKC$	Draft:	Max. $15.0m + tide - 10\%UKC$
Time:	24 hrs.	Time:	24 hrs.
Tugg	1 2 if D 2m	Tugg	1 2 if no anahar dayan

1. 2 if no anchor down. Tugs: 1. 2 if D>8m. Tugs:

Remarks: Ro-Ro vessel 2 tugs if adverse Remarks: Ro-Ro vessel 2 tugs if adverse

> weather. weather.

020 **Berthing** LOA: Max 230m 021 Unberthing LOA: Max 230m Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC **Draft: Draft:** 24 hrs. 24 hrs. Time: Time: **Tugs:** 2

Tugs: Remarks: **Remarks:** 

030 **Berthing** LOA: Max 270m 031 Unberthing LOA: Max 270m Draft: Max. 15.0m + tide - 10% UKCDraft: Max. 15.0m + tide - 10% UKCTime: 24 hrs. Time: 24 hrs.

Tugs: 2 incl. 1 GI est, if no bow thruster. Tugs: 2. 1 if bow & stern thrusters

> 1 if bow & stern thrusters fitted. fitted.

**Remarks:** Stern in 3 tugs. **Remarks:** 

040 LOA: Max 300m 041 LOA: Max 300m **Berthing** Unberthing Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC**Draft: Draft:** 24 hrs.

Time: 24 hrs. Time: **Tugs:** 3 incl. 1 GI est. if no bow thruster. Tugs:

2. 1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

**Remarks:** Stern in 3 tugs. Remarks:

040050 041051 LOA: Max 340m **Berthing** LOA: Max 340m Unberthing Max. 15.0m + tide - 10% UKC**Draft: Draft:** Max. 15.0m + tide - 10%UKC

Time: Time: 24 hrs. 24 hrs.

Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 2. 1 if bow & stern thrusters fitted.

> D>12.5m, 3, 1 if bow & stern 1 if bow & stern thrusters fitted.

thrusters fitted.

**Remarks:** Stern in 3 tugs Starboard side to. Remarks:

050 **Berthing** LOA: Max 367m <del>051061</del> **Unberthing** LOA: Max 367m Draft: Max. 15.0m + tide - 10% UKC Draft: Max. 15.0m + tide - 10% UKC

Time: 24 hrs. Time: 24 hrs.

3, 2 if bow & stern thrusters fitted. Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs:

2 if bow & stern thrusters fitted. D>12.5m, 4 incl. 1 GI est. if no

Remarks: Stern in 4 tugs. Remarks:

bow thruster.

- 1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- 2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- 3. LOA>270m berthing stern in, each tug 3600 HP min. In case 3 tugs are used, min. total 10800 HP. Min. 2 tugs if bow/stern thruster are fitted.

Location : KC<del>10-12-</del>12 Kwai Chung berth  $\frac{10-12}{12}$  12

(Declared Depth at berth 15.5m)

010 LOA: Max 130m 011 **Berthing** Unberthing LOA: Max 130m **Draft:** Max. 15.0m + tide - 10%UKCDraft: Max. 15.0m + tide - 10%UKCTime:

24 hrs. Time: 24 hrs.

1. 2 if no anchor down. **Tugs:** 1. 2 if D>8m. Tugs: Remarks: Ro-Ro vessel 2 tugs if adverse

Remarks: Ro-Ro vessel 2 tugs if adverse weather. weather.

020 021 **Berthing** LOA: Max 230m **Unberthing** LOA: Max 230m **Draft:** Max. 15.0m + tide - 10% UKC**Draft:** Max. 15.0m + tide - 10% UKC

Time: 24 hrs. Time: 24 hrs. Tugs: 2 Tugs: 2 Remarks: Remarks:

030 Berthing LOA: Max 270m 031 Unberthing LOA: Max 270m Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC Draft: **Draft:** Time: 24 hrs. 24 hrs. Time:

**Tugs:** 

2 incl. 1 GI est. if no bow Tugs: 2. 1 if bow & stern thrusters thruster. fitted.

1 if bow & stern thrusters fitted.

**Remarks:** Stern in 3 tugs. Remarks:

040 LOA: Max 300m 041 **Berthing Unberthing** LOA: Max 300m **Draft:** Max. 15.0m + tide - 10% UKC**Draft:** Max. 15.0m + tide - 10%UKC

Time: 24 hrs. Time: 24 hrs.

3 incl. 1 GI est. if no bow thruster. **Tugs:** Tugs: 2. 1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

**Remarks: Remarks:** Stern in 3 tugs.

040050 **Berthing** LOA: Max 340m 041051 Unberthing LOA: Max 340m Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC **Draft: Draft:** 

Time: 24 hrs. Time: 24 hrs.

Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 2, 1 if bow & stern thrusters fitted.

> 1 if bow & stern thrusters fitted. D>12.5m, 3, 1 if bow & stern

thrusters fitted.

**Remarks:** Stern in 3 tugs Starboard side to. **Remarks:**  Location : KC<del>10-12-12</del> **Kwai Chung berth** <del>10-12-12</del>

(Declared Depth at berth 15.5m)

**050**060 **Berthing** LOA: Max **367m**370m 061 **Unberthing** LOA: Max **367m**370m

**Draft:** Max. 15.0m + tide - 10% UKC **Draft:** Max. 15.0m + tide - 10% UKC

**Time:** 24 hrs. **Time:** 24 hrs.

**Tugs:** 3 incl. 1 GI est. if no bow thruster. **Tugs:** 3, 2 if bow & stern thrusters fitted.

2 if bow & stern thrusters fitted. D>12.5m, 4 incl. 1 GI est. if no

bow thruster.

**Remarks:** Stern in 4 tugs Starboard side to. Remarks:

## **General Remarks:**

1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.

- 2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.
- 3. LOA>270m berthing stern in, each tug 3600 HP min. In case 3 tugs are used, min. total 10800 HP. Min. 2 tugs if bow/stern thruster are fitted.

### **ON TRIAL**

Location: KC13-14 Kwai Chung berth 13-14

(Declared Depth at berth 15.5m)

010 LOA: Max 130m 011 LOA: Max 130m **Berthing** Unberthing **Draft:** Max. 15.0m + tide - 10%UKC**Draft:** Max. 15.0m + tide - 10%UKC

Time: 24 hrs. Time: 24 hrs.

1. 2 if no anchor down. **Tugs:** 1. 2 if D>8m. Tugs:

Remarks: Ro-Ro vessel 2 tugs if adverse Remarks: Ro-Ro vessel 2 tugs if adverse

> weather. weather.

020 021 **Berthing** LOA: Max 230m **Unberthing** LOA: Max 230m **Draft:** Max. 15.0m + tide - 10% UKC**Draft:** Max. 15.0m + tide - 10% UKC

Time: 24 hrs. Time: 24 hrs. Tugs: 2 Tugs: 2 Remarks: Remarks:

030 Berthing LOA: Max 270m 031 Unberthing LOA: Max 270m Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC Draft: **Draft:** 24 hrs.

Time:

24 hrs.

24 hrs.

Time: 24 hrs.

**Tugs:** 2 incl. 1 GI est. if no bow Tugs: 2. 1 if bow & stern thrusters

> thruster. fitted.

1 if bow & stern thrusters fitted.

**Remarks:** Stern in 3 tugs. Remarks:

040 LOA: Max 300m 041 **Berthing Unberthing** LOA: Max 300m **Draft:** Max. 15.0m + tide - 10% UKC**Draft:** Max. 15.0m + tide - 10%UKC

Time: 24 hrs. Time:

3 incl. 1 GI est, if no bow thruster. 2. 1 if bow & stern thrusters fitted. **Tugs:** Tugs:

1 if bow & stern thrusters fitted.

**Remarks:** Stern in 3 tugs.

040050 **Berthing** LOA: Max 340m 041051 Unberthing LOA: Max 340m Max. 15.0m + tide - 10% UKCMax. 15.0m + tide - 10% UKC **Draft: Draft:** 

Time: 24 hrs.

Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 2, 1 if bow & stern thrusters fitted.

1 if bow & stern thrusters fitted. D>12.5m, 3, 1 if bow & stern

Time:

**Remarks:** 

thrusters fitted.

**Remarks:** Stern in 3 tugs. **Remarks:** 

### **ON TRIAL**

Location: KC13-14 Kwai Chung berth 13-14

(Declared Depth at berth 15.5m)

**050**060 **Berthing** LOA: Max 410m370m **051**061 **Unberthing** LOA: Max 410m370m

**Draft:** Max. 15.0m + tide – 10% UKC **Draft:** Max. 15.0m + tide – 10% UKC

**Time:** 24 hrs. **Time:** 24 hrs.

D>12.5m, D&N LW+1 to HW+2.

**Tugs:** 3 incl. 1 GI est. if no bow thruster. **Tugs:** 3, 2 if bow & stern thrusters fitted.

2 if bow & stern thrusters fitted. D>12.5m, 4 incl. 1 GI est. if no

bow thruster.

Remarks: Stern in 4 tugs Starboard side to. Remarks:

### **General Remarks:**

1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.

2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK Pilots in ample time for consideration.

3. LOA>270m berthing stern in, each tug 3600 HP min. In case 3 tugs are used, min. total 10800 HP. Min. 2 tugs if bow/stern thruster are fitted.

1 if bow & stern thrusters fitted.

Location: KC15 Kwai Chung berth 15

(Declared Depth at berth 15.5m)

010	<b>Berthing</b> LOA: Max 130m	011	<b>Unberthing</b> LOA: Max 130m
<b>Draft:</b>	Max. 15.0m + tide – 10% UKC	Draft:	Max. 15.0m + tide – 10% UKC
Times	2.4 hm	Times	2.4 hm

24 hrs. Time: 24 hrs. Time:

1. 2 if D>8m. 1. 2 if no anchor down. Tugs: Tugs:

Remarks: Remarks:

020 LOA: Max 183m 021 LOA: Max 183m **Berthing** Unberthing Max. 15.0m + tide - 10% UKC **Draft:** Max. 15.0m + tide - 10% UKC **Draft:** Time: 24 hrs. Time: 24 hrs.

**Tugs:** 2. Tugs: 2 **Remarks:** Port side to if LOA > 200m. Remarks:

030 **Berthing** LOA: Max 230m 031 Unberthing LOA: Max 230m Max. 15.0m + tide - 10% UKC Max. 15.0m + tide - 10% UKC **Draft: Draft:** 24 hrs.

Time: 24 hrs. Time: Tugs: 2 Tugs: 2 **Remarks:** Port side to. Remarks:

040 041 **Berthing** LOA: Max 270m Unberthing LOA: Max 270m **Draft:** Max. 15.0m + tide - 10% UKC Max. 15.0m + tide - 10% UKC **Draft:** 

Time: Time: 24 hrs. 24 hrs.

**Tugs:** 2 incl. 1 GI est. if no bow Tugs: 2.

thruster.

1 if bow & stern thrusters fitted.

**Remarks:** Port side to. Remarks:

050 **Berthing** LOA: Max 340m 051 Unberthing LOA: Max 340m Max. 15.0m + tide - 10% UKC Max. 15.0m + tide - 10% UKC **Draft: Draft:** 

Time: 24 hrs. Time: 24 hrs. Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 2.

1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

Remarks: **Remarks:** Port side to.

060 **Berthing** LOA: Max 410m370m 061 LOA: Max 410m370m Unberthing

Max. 15.0m + tide - 10% UKC **Draft: Draft:** Max. 15.0m + tide - 10% UKC

Time: 24 hrs. Time: 24 hrs. 3 Incl. 1 GI est. if no bow thruster.

32.21 if bow & stern thrusters Tugs: Tugs: fitted.

2 if bow & stern thrusters fitted.

D>12.5m13.0m, 4 incl. 1 GI est. if D>13.0m, 3, 2 if bow & stern

no bow thruster. thrusters fitted.

**Remarks:** Port side to. Remarks:

- Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals. 1.
- Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK 2. pilots in ample time for consideration.
- 3. Berthing: Swing around minimum 2 tugs.

1. 2 if no anchor down.

**Tugs:** 

**Tugs:** 

### **ON TRIAL**

Location: KC16-19 Kwai Chung berth 16-19

(Declared Depth at berth 15.5 m)

Tugs:

010	<b>Berthing</b> LOA: Max 130m	011	<b>Unberthing</b> LOA: Max 130m
Draft:	Max. 15.0m + tide – 10% UKC	<b>Draft:</b>	Max. $15.0m + tide - 10\%$ UKC
Time:	24 hrs.	Time:	24 hrs.

Remarks: Remarks:

1. 2 if D>8m.

020	<b>Berthing</b> LOA: Max 230m	021	<b>Unberthing</b> LOA: Max 230m
Draft:	Max. 15.0m + tide – 10% UKC	Draft:	Max. 15.0m + tide – 10% UKC
Time:	24 hrs.	Time:	24 hrs.
Tugge	2	Tugg	2

Tugs: 2
Remarks: Remarks:

 030
 Berthing
 LOA: Max 270m
 031
 Unberthing
 LOA: Max 270m

 Draft:
 Max. 15.0m + tide - 10% UKC
 Draft:
 Max. 15.0m + tide - 10% UKC

 Time:
 24 hrs.
 24 hrs.

Time: 24 hrs. Time: 24 Tugs: 2 incl. 1 GI est. if no bow thruster. Tugs: 2.

1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

Remarks: Remarks:

 040
 Berthing
 LOA: Max 340m
 041
 Unberthing
 LOA: Max 340m

 Draft:
 Max. 15.0m + tide - 10% UKC
 Draft:
 Max. 15.0m + tide - 10% UKC

 Time:
 24 hrs.
 Time:
 24 hrs.

Time: 24 hrs. Time: 24 hrs. Time: 24 hrs. Tugs: 3 incl. 1 GI est. if no bow thruster. Tugs: 2.

1 if bow & stern thrusters fitted. 1 if bow & stern thrusters fitted.

Remarks: Remarks:

050 **Berthing** LOA: Max 410m370m 051 **Unberthing** LOA: Max 410m370m

**Draft:** Max. 15.0m + tide - 10% UKC **Draft:** Max. 15.0m + tide - 10% UKC

**Time:** 24 hrs. **Time:** 24 hrs.

3 incl. 1 GI est. if no bow thruster. Tugs: 3 2, 2 1 if bow & stern thrusters fitted.

D><del>12.5m</del>13.0m, 4 incl. 1 GI est. if D>13.0m, 3, 2 if bow & stern

no bow thruster. thrusters fitted.

Remarks: Remarks:

Location: KC16-19 Kwai Chung berth 16-19

(Declared Depth at berth 15.5m)

 060
 Berthing
 LOA: Max 400m
 061
 Unberthing
 LOA: Max 400m

 Draft:
 Max. 15.0m + tide - 10% UKC
 Draft:
 Max. 15.0m + tide - 10% UKC

Time:24 hrs.Time:24 hrs.Tugs:4 incl. 1 GI est. if no bow thruster.Tugs:4.

D>13.0m, 5 incl. 1 GI est. if no bow thruster, 4 if one 5000HP tug

is used.

Remarks: Remarks:

### **General Remarks:**

1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.

- 2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK pilots in ample time for consideration.
- 3. Berthing: LOA > 130m swing around &/or Wedge-in minimum 2 tugs.

1 if bow & stern thrusters fitted.

1 if bow & stern thrusters fitted.

Location: KC20 Kwai Chung berth 20

(Declared Depth at Berth 15.5 m)

010 LOA: Max 130m 011 LOA: Max 130m Berthing **Unberthing** Draft: Max. 15.0m + tide - 10% UKC **Draft:** Max. 15.0m + tide – 10% UKC

24 hrs. Time: Time: 24 hrs.

**Tugs:** 1. If D > 8m 2Tugs: 1. If no anchor down 2

**Remarks: Remarks:** 

020 **Berthing** LOA: Max 230m 021 **Unberthing** LOA: Max 230m Max. 15.0m + tide - 10% UKC **Draft:** Max. 15.0m + tide - 10% UKC **Draft:** 

Time: 24 hrs. Time: 24 hrs. **Tugs:** 2 Tugs: 2 Remarks: . **Remarks:** 

030 LOA: Max 270m 031 Unberthing Berthing LOA: Max 270m **Draft:** Max. 15.0m + tide – 10% UKC **Draft:** Max. 15.0m + tide – 10% UKC Time: 24 hrs.

Time: 24 hrs.

2 incl. 1 GI est. if no bow **Tugs:** Tugs: 2.

thruster.

1 if bow & stern thrusters fitted.

**Remarks: Remarks:** 

040 LOA: Max 310m 041 LOA: Max 310m **Berthing** Unberthing **Draft:** Max. 15.0m + tide - 10% UKC Draft: Max. 15.0m + tide - 10% UKC

Time:

24 hrs.

2.

Time: 24 hrs.

**Tugs:** 3 incl. 1 GI est. if no bow Tugs:

thruster.

1 if bow & stern thrusters fitted.

Remarks: Remarks:

- →1. Please see Chapter 4(1) Berthing Remarks for Kwai Chung Terminals.
- →-2. Vessels intending to sail or arrive with draft exceeding 15.0m should inform VTC & HK pilots in ample time for consideration.
- →-3. Berthing: LOA >130m swing around &/or Wedge-in minimum 2 tugs.

Location: URMPS-C/URMA-C Transit Mawan - Passenger & Container ship

Draft≤14.5m: Restricted transit period @ Mawan = Current Against >3 knots / With >2 knots Draft>14.5m≤15.516.0m: Restricted transit period @ Mawan = Current Against > 2 knots / With > 1 knots (per current info. supplied by HYDRO office)

Transit @ Mawan : Day = (Sunrise - 30mins.) To (Sunset + 30mins.)

010 N. bound LOA: Max 200m 011 **S. bound** LOA: Max 200m **Draft:** Max. 10.0m (min. 15% UKC) Draft: Max. 10.0m (min. 15% UKC) Time: 24 hrs. Time: 24 hrs. Tugs: Tugs:

**Remarks:** Remarks:

020 N. bound LOA: Max 230m 021 S. bound LOA: Max 230m **Draft:** Max. 12.5m (min. 15% UKC) Draft: Max. 12.5m (min. 15% UKC) Time: Subject to current condition @ Time: Subject to current condition @ Mawan

Tugs: Tugs:

**Remarks:** On trial with effect from 1 February 2012

030 N. bound LOA: Max 250m **Draft:** Max. 13m (min. 15% UKC) Time: Subject to current condition @

Mawan

**Tugs:** 1 escort @ Mawan for Mawan

Transit.

To URMA: +1 @ URMA (tug @ URMA exempted for vessels with

thrusters).

Remarks: 2 pilots.

040 N. bound LOA: Max 280m **Draft:** Max. 13.5m (min. 15% UKC) Time: Subject to current condition @

Mawan

**Tugs:** 1 escort from Kellett buoy for

Mawan Transit.

To URMA: +1 @ URMA (tug @ URMA exempted for vessels with

thrusters).

Remarks: 2 pilots.

050 N. bound LOA: Max 310m Max. 14.5m (min. 15% UKC) **Draft:** Time: Subject to current condition @

Mawan

1 escort from Kellett buoy for **Tugs:** 

Mawan Transit.

To URMA: +1 @ URMA (tug @ URMA exempted for vessels with thrusters and Draft≤13.5m. Thrusters not considered if

Draft>13.5m).

Remarks: 2 pilots.

Mawan

**Remarks:** On trial with effect from 1 February

2012

031 S. bound LOA: Max 250m Max. 13m (min. 15% UKC) **Draft:** Time: Subject to current condition @

Mawan

Tugs: 1 escort @ Mawan for Mawan

Transit.

From URMA: +1 @ URMA (tug @ URMA exempted for vessels with

thrusters).

Remarks: 2 pilots.

041 S. bound LOA: Max 280m **Draft:** Max. 13.5m (min. 15% UKC) Time: Subject to current condition @

Mawan

1 escort @ Mawan for Mawan Tugs:

Transit.

From URMA: +1 @ URMA (tug @ URMA exempted for vessels with

thrusters).

Remarks: 2 pilots.

051 S. bound LOA: Max 310m Draft: Max. 14.5m (min. 15% UKC) Time: Subject to current condition @

Mawan

1 escort @ Mawan for Mawan Tugs:

Transit.

From URMA: +1 @ URMA (tug @ URMA exempted for vessels with

thrusters).

Remarks: 2 pilots.

Tugs:

Location: URMPS-C/URMA-C **Transit Mawan – Passenger & Container ship** 

Draft≤14.5m: Restricted transit period @ Mawan = Current Against >3 knots / With >2 knots

Draft>14.5m≤15.516.0m: Restricted transit period @ Mawan = Current Against >2 knots / With >1 knots

(per current info. supplied by HYDRO office)

Transit @ Mawan : Day = (Sunrise - 30mins.) To (Sunset + 30mins.)

060 N. bound LOA: Max 353m 061 S. bound LOA: Max 353m Draft: Max. 15.5m (min. 15% UKC) Draft: Max. 15.5m (min. 15% UKC)
Time: Subject to current condition @ Time: Subject to current condition @ Mawan

D>14.5m-15.5m, day light only. 1 escort from Kellett buoy for Tugs: D>14.5m-15.5m, day light only. 1 escort @ Mawan for Mawan

Mawan Transit. Transit.

D>14.5m-15.5m, 1 from GI & 1 D>14.5m-15.5m, 2 escort @ Mawan

from Kellett buoy escort for for Mawan Transit.

Mawan Transit.

**Remarks:** 2 pilots. **Remarks:** 2 pilots.

See General Remarks

See General Remarks

070 N. bound LOA: Max 367370m 071 S. bound LOA: Max 367370m Draft: Max. 15.5m (min. 15% UKC) Draft: Max. 15.5m (min. 15% UKC) Time: Subject to current condition @ Time: Subject to current condition @

van. Mawan

D>14.5m-15.5m, day light only. D>14.5m-15.5m, day light only.

Tugs: 1 escort from Kellett buoy for Tugs: 1 escort @ Mawan for Mawan

Mawan Transit. Transit.

D>12.5m-15.5m, 1 from GI & 1 D>12.5m-15.5m, 2 escort @ Mawan from Kellett buoy escort for for Mawan Transit.

Mawan Transit.

**Remarks:** 2 pilots. **Remarks:** 2 pilots.

See General Remarks

See General Remarks

- 1. Vessels of LOA >310m are not permitted to anchor within the area between Ma Wan West and URMPS.
- 2. In case of special circumstances and conditions, when vessel of LOA >310m is required to anchor within the area between Ma Wan West and URMPS, she shall obtain prior approval from VTC and comply with the conditions required by VTC/MD.
- 3. Container vessel of LOA >367m, transiting Ma Wan for the first time, are subject to Practical Assessment through (a) Restricted Ma Wan Transit tidal window (b) Special tug requirement.
- 43. Unless otherwise specified, escort tug for Mawan transit is required for the waters:
  - a) North bound : from Kellett buoy to NW Mawan Signal Mast except required otherwise by pilot/Master.
  - b) South bound : from Ha Pang to 0.5 n.mile south of Tsing Ma Bridge except required otherwise by pilot/Master.
- 54. For LOA≥300 >340m 370m or Draft ≥12.5>13.5m, escort tug is minimum 3600HP each or minimum 7200HP total (Tug 2600HP not accepted) if 2 tugs are required

### On Trial

Location: URMPS-C/URMA-C **Transit Mawan – Passenger & Container ship** 

Draft≤14.5m: Restricted transit period @ Mawan = Current Against >3 knots / With >2 knots
Draft>14.5m≤16.0m: Restricted transit period @ Mawan = Current Against >2 knots / With >1 knots
(per current info. supplied by HYDRO office)

Transit @ Mawan : Day = (Sunrise - 30mins.) To (Sunset + 30mins.)

080 N. bound LOA: Max 400m

Draft: Max. 16.0m (min. 15% UKC)
Time: Subject to current condition @ Time: S. bound LOA: Max 400m

Max. 16.0m (min. 15% UKC)

Subject to current condition @ Subject to current condition @

Mawan

D>14.5m – 16.0m, day light only. D>14.5m – 16.0m, day light

only.

**Tugs:** 1 from GI & 1 from Kellett buoy **Tugs:** 2 escort @ Mawan for Mawan

escort for Mawan Transit.

Transit.

**Remarks:** 2 pilots. **Remarks:** 2 pilots.

See General Remarks

See General Remarks

### **General Remarks:**

Mawan.

1. Vessels of LOA >310m are not permitted to anchor within the area between Ma Wan West and URMPS.

- 2. In case of special circumstances and conditions, when vessel of LOA >310m is required to anchor within the area between Ma Wan West and URMPS, she shall obtain prior approval from VTC and comply with the conditions required by VTC/MD.
- 3. Container vessel of LOA >400m, transiting Ma Wan for the first time, are subject to Practical Assessment through (a) Restricted Ma Wan Transit tidal window (b) Special tug requirement.
- 4. Unless otherwise specified, escort tug for Mawan transit is required for the waters:
  - a) North bound : from Kellett buoy to NW Mawan Signal Mast except required otherwise by pilot/Master.
  - b) South bound : from Ha Pang to 0.5 n.mile south of Tsing Ma Bridge except required otherwise by pilot/Master.
- 5. For LOA >370m 400m, minimum power of each escort tug is 4000HP.