

PILOTAGE ADVISORY COMMITTEE

Proposed Amendments to the Berthing Guidelines

Purpose

The purpose of this paper is to seek members' endorsement on the proposed amendments to the Berthing Guidelines as attached in Annex 1.

Background

2. The proposed amendments in Annex 1 are to update the tugs information, the current operational requirements for berthing and unberthing of vessels at the China Cement Company (TSK), China Light Power Station (TSK) and Ship under tow to or from berth.

Consultation

3. The paper was circulated and endorsed by all Working Group members in August 2004.

Recommendation

4. Members are recommended to endorse the proposed amendments.

*Marine Department
September 2004*

Brief Notes on Proposed Amendments to Berthing Guidelines

Item	Description		Amendments	Reason	Implications
1.	Chapter 6	Tugs information	Update the tugs information.	There were changes of tugs information.	No implication.
2.	Location: CCEMENT	China Cement Company (TSK)	Add the remarks for tidal restriction at Ma Wan and minor amendments to the content to match with the BGL for Transit Mawan -Bulker & Tanker.	To be in line with the BGL for Transit Mawan-Bulker & Tanker. .	No implication.
3.	Location: CLPTSK	China Light Power Station (TSK)	Add the remarks for tidal restriction at Ma Wan and minor amendments to the content to match with the BGL for Transit Mawan -Bulker & Tanker.	To be in line with the BGL for Transit Mawan-Bulker & Tanker. .	No implication.
4.	Location: TOW-BERTH	Ship under tow to/from berth	Add new class Max LOA 110m and Max Draft 6.0m.	To reflect current ship sizes and operational requirements.	One tug will be reduced for berthing if LOA \leq 110m and Draft \leq 6m.

Note : Please refer to the attached Item 1-4 for details of the proposed amendment.

Chapter: 6

TUGS INFORMATION

<u>Name</u>	<u>HP.</u>	<u>B. pull (tonnes)</u>	<u>Remarks</u>
<u>Hong Kong Tug</u> 2427 7477			
Ap Chau	4000	54	Grade I
Cheung Chau	4000	54	Grade I
Heung Kong	3000	37	Grade I
Hung Hom	3200	45.5	Grade I
Kau Lung	3200	45.5	Grade I
Kwai Chung	3000	37	Grade I
Lamma	3200	45.5	Grade I
Sha Chau	4000	54	Grade I
Tai Koo	4000	52.2	Grade I
Tap Mun	3200	45.5	Grade I
Yeung Chau	4000	54	Grade I
<u>Yiu Lian Tug</u> 2497 0655 2497 0686			
Hai Ba	3200	35	Grade I
Hai Fa	3000	40	Grade I
Hai Le	4000	40	Grade I
Hai Qi	3200	40	Grade I
Hai Shan	2600	35	Grade I
Yiu Lian 18	3200	40	Grade I
Yiu Lian 26	2600	35	Grade I
You Da	3200	40	Grade I
You Fa	3200	40	Grade I
<u>South China Tug</u> 2548 5205			
Guangzhou	3000	38	Grade I
Guilin	3000	38	Grade I
Shanghai	3000	40/39	Grade I
Shantou	3600	50/45	Grade I
Shunde	4000	56	Grade I
<u>Chung Hing Tug</u> 2549 2072 2549 0395			
Chung Hing No.1 (忠興壹)	2 × 624	18	Grade II
Wallex 2 (華力二)	2 × 624	18	Grade II

Location : CCEMENT

China Cement Company (TSK)

*Restricted transit period @ Mawan = Current Against >2.5 knots / With >1.5 knots
(per current info. supplied by HYDRO office)*

Time @ berth (berthing) from URMA : inform Duty Pilot

- | | |
|--|---|
| <p>010 Berthing LOA: Max 168m
 Draft: Max. 10m (min 10% UKC)
 Time: Day light only
 Tugs: 2.
 Remarks: Stem to tide for berthing.</p> | <p>011 Unberthing LOA: Max 168m
 Draft: Max. 10m (min 10% UKC)
 Time: Day light only
 Tugs: 2.
 Remarks:</p> |
| <p>020 Berthing LOA: Max 183m
 Draft: Max. 12m (min 10% UKC)
 Time: Day light only
 Draft>10m Day HW+1 to HW+3
 & Day LW-1 to LW+1.5 @
 Mawan
 Tugs: 2. 1 escort @ Mawan if
 Draft>10m.
 Remarks: 2 pilots. Stem to tide for berthing.
 Draft>10m Starboard side to.</p> | <p>021 Unberthing LOA: Max 183m
 Draft: Max. 12m (min 10% UKC)
 Time: Day light only
 Draft>10m subject to current
 condition @ Mawan Day only
 Tugs: 2. 1 escort @ Mawan if
 Draft>10m.
 Remarks: 2 pilots.</p> |
| <p>030 Berthing LOA: Max 230m
 Draft: Max. 14m (min 10% UKC)
 Time: Day HW+1 to HW+3 @ Mawan
 Tugs: 3 incl. 1 @ Mawan est.
 From URMA: 3 incl. 1 escort
 from URMA to berth
 Remarks: 2 pilots.
 Starboard side to.</p> | <p>031 Unberthing LOA: Max 230m
 Draft: Max. 14m (min 10% UKC)
 Time: Day light only
 Draft>10m subject to current
 condition @ Mawan Day only
 Tugs: 2 incl. 1 @ Mawan est.
 To URMA: 2 incl. 1 escort from
 berth to URMA
 Remarks: 2 pilots.</p> |
| <p>040 Berthing LOA: Max 240m
 Draft: Max. 14m (min 10% UKC)
 Time: Day HW+1 to HW+1.5 @ Mawan
 Tugs: 4 incl. 1 escort from GI + 1 @
 Mawan
 If Draft≤12m, 3 incl. 1 escort from
 GI + 1 @ Mawan
 From URMA: 4 incl. 1 escort
 URMA to berth. If Draft≤12m, 3
 incl. 1 escort from URMA to berth
 Remarks: 2 pilots. Starboard side to.</p> | <p>041 Unberthing LOA: Max 240m
 Draft: Max. 14m (min 10% UKC)
 Time: Day HW to HW+2 &
 Day LW+1 to LW+3 @ Mawan
 Draft≤12.5m subject to current
 condition @ Mawan Day only
 Tugs: 2 incl. 1 escort @ Mawan
 To URMA: 2 incl. 1 escort from
 berth to URMA.
 Remarks: 2 pilots.</p> |

Berthing Guidelines

Pending

Location : CCEMENT

China Cement Company (TSK)

*LOA≤230m : Restricted transit period @ Ma Wan = Current Against >2.5 knots / With >1.5 knots**LOA>230m : Restricted transit period @ Ma Wan = Current Against >1.5 knots / With >0.5 knots**(per current info. supplied by HYDRO office)**Transit @ Ma Wan : Day = (Sunrise - 30mins.) To (Sunset + 30mins.)*

<p>010 Berthing LOA: Max 168m Draft: Max. 10m (min 10% UKC) Time: Day light only Tugs: 2. Remarks: Stem to tide for berthing.</p>	<p>011 Unberthing LOA: Max 168m Draft: Max. 10m (min 10% UKC) Time: Day light only Tugs: 2. Remarks:</p>
<p>020 Berthing LOA: Max 183m Draft: Max. 12m (min 10% UKC) Time: Day light only Draft>10m Day HW+1 to HW+3 & Day LW-1 to LW+1.5 @ Mawan Tugs: 2. 1 escort @ Mawan if Draft>10m. Remarks: 2 pilots. Stem to tide for berthing. Draft>10m Starboard side to.</p>	<p>021 Unberthing LOA: Max 183m Draft: Max. 12m (min 10% UKC) Time: Day light only Draft>10m subject to current condition @ Mawan Tugs: 2. 1 escort @ Mawan if Draft>10m. Remarks: 2 pilots.</p>
<p>030 Berthing LOA: Max 230m Draft: Max. 14m (min 10% UKC) Time: Day HW+1 to HW+3 @ Mawan Tugs: 3 incl. 1 @ Mawan est. From URMA: 3 incl. 1 escort from URMA to berth Remarks: 2 pilots. Starboard side to.</p>	<p>031 Unberthing LOA: Max 230m Draft: Max. 14m (min 10% UKC) Time: Day light only Subject to current condition @ Mawan. <i>If Draft >12.5m day transit only</i> Tugs: 2 incl. 1 @ Mawan est. To URMA: 2 incl. 1 escort from berth to URMA Remarks: 2 pilots.</p>
<p>040 Berthing LOA: Max 240m Draft: Max. 14m (min 10% UKC) Time: Day HW+1 to HW+1.5 @ Mawan Tugs: 4 incl. 1 escort from GI + 1 @ Mawan If Draft≤12m, 3 incl. 1 escort from GI + 1 @ Mawan From URMA: 4 incl. 1 escort URMA to berth. If Draft≤12m, 3 incl. 1 escort from URMA to berth Remarks: 2 pilots. Starboard side to.</p>	<p>041 Unberthing LOA: Max 240m Draft: Max. 14m (min 10% UKC) Time: Day HW to HW+2 & Day LW+1 to LW+3 @ Mawan Draft≤12.5m subject to current condition @ Mawan Day only Tugs: 2 incl. 1 escort @ Mawan To URMA: 2 incl. 1 escort from berth to URMA. Remarks: 2 pilots.</p>

Location : CLPTSK

China light power station (TSK)

**Restricted transit period @ Mawan = Current Against >2.5 knots / With >1.5 knots
(per current info. supplied by HYDRO office)**

Time @ berth (berthing) from URMA : inform Duty Pilot

<p>010 Berthing LOA: Max 168m Draft: Max. 10m (min 10% UKC) Time: Day light only Tugs: 2. Remarks: Stem to tide for berthing.</p>	<p>011 Unberthing LOA: Max 168m Draft: Max. 10m (min 10% UKC) Time: Day light only Tugs: 2. Remarks:</p>
<p>020 Berthing LOA: Max 183m Draft: Max. 12m (min 10% UKC) Time: Day light only Draft>10m Day HW+1 to HW+3 & Day LW-1 to LW+1.5 @ Mawan Tugs: 2. 1 escort @ Mawan if Draft>10m Remarks: 2 pilots. Stem to tide for berthing.</p>	<p>021 Unberthing LOA: Max 183m Draft: Max. 12m (min 10% UKC) Time: Day light only Draft>10m subject to current condition @ Mawan Day only Tugs: 2. 1 escort @ Mawan if Draft>10m Remarks: 2 pilots.</p>
<p>030 Berthing LOA: Max 230m Draft: Max. 14m (min 10% UKC) Time: Day HW+1 to HW+3 @ Mawan Tugs: 3 incl. 1 @ Mawan est. From URMA: 3 incl. 1 escort from URMA to berth Remarks: 2 pilots. Starboard side to.</p>	<p>031 Unberthing LOA: Max 230m Draft: Max. 14m (min 10% UKC) Time: Day light only Draft>10m subject to current condition @ Mawan Day only Tugs: 2 incl. 1 @ Mawan est. To URMA: 2 incl. 1 escort from berth to URMA Remarks: 2 pilots.</p>
<p>040 Berthing LOA: Max 280m Draft: Max. 16.8m (min 10% UKC) Time: Day HW+1 @ Mawan 1st Jun – 15th Oct : Day HW+0.5 @ Mawan Tugs: 4 tugs minimum 3000hp each incl. 1 escort from GI + 1 @ Mawan to berth From URMA: 4 tugs minimum 3000hp each incl. 1 escort from URMA to berth Remarks: 2 pilots. Starboard side to.</p>	<p>041 Unberthing LOA: Max 280m Draft: Max. 16.8m (min 10% UKC) Time: Day HW to HW+2 & Day LW+1 to LW+3 @ Mawan Draft≤12.5m subject to current condition @ Mawan Day only Tugs: 2 incl. 1 escort @ Mawan To URMA: 2 incl. 1 escort from berth to URMA. If Draft>14m 2 escort from berth to URMA Remarks: 2 pilots.</p>

Berthing Guidelines

Pending

Location : CLPTSK

China light power station (TSK)

LOA≤230m : Restricted transit period @ Ma Wan = Current Against >2.5 knots / With >1.5 knots

LOA>230m : Restricted transit period @ Ma Wan = Current Against >1.5 knots / With >0.5 knots

(per current info. supplied by HYDRO office)

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

<p>010 Berthing LOA: Max 168m Draft: Max. 10m (min 10% UKC) Time: Day light only Tugs: 2. Remarks: Stem to tide for berthing.</p>	<p>011 Unberthing LOA: Max 168m Draft: Max. 10m (min 10% UKC) Time: Day light only Tugs: 2. Remarks:</p>
<p>020 Berthing LOA: Max 183m Draft: Max. 12m (min 10% UKC) Time: Day light only Draft>10m Day HW+1 to HW+3 & Day LW-1 to LW+1.5 @ Mawan Tugs: 2. 1 escort @ Mawan if Draft>10m Remarks: 2 pilots. Stem to tide for berthing.</p>	<p>021 Unberthing LOA: Max 183m Draft: Max. 12m (min 10% UKC) Time: Day light only Draft>10m subject to current condition @ Mawan Tugs: 2. 1 escort @ Mawan if Draft>10m Remarks: 2 pilots.</p>
<p>030 Berthing LOA: Max 230m Draft: Max. 14m (min 10% UKC) Time: Day HW+1 to HW+3 @ Mawan Tugs: 3 incl. 1 @ Mawan est. From URMA: 3 incl. 1 escort from URMA to berth Remarks: 2 pilots. Starboard side to.</p>	<p>031 Unberthing LOA: Max 230m Draft: Max. 14m (min 10% UKC) Time: Day light only Subject to current condition @ Mawan. If draft >12.5m day transit only Tugs: 2 incl. 1 @ Mawan est. To URMA: 2 incl. 1 escort from berth to URMA Remarks: 2 pilots.</p>
<p>040 Berthing LOA: Max 280m Draft: Max. 16.8m (min 10% UKC) Time: Day HW+1 @ Mawan 1st Jun - 15th Oct : Day HW+0.5 @ Mawan Tugs: 4 tugs minimum 3000hp each incl. 1 escort from GI + 1 @ Mawan to berth From URMA: 4 tugs minimum 3000hp each incl. 1 escort from URMA to berth Remarks: 2 pilots. Starboard side to.</p>	<p>041 Unberthing LOA: Max 280m Draft: Max. 16.8m (min 10% UKC) Time: Day HW to HW+2 & Day LW+1 to LW+3 @ Mawan Draft≤12.5m subject to current condition @ Mawan Day only Tugs: 2 incl. 1 escort @ Mawan or 2 escort @ Mawan if Draft >14m To URMA: 2 incl. 1 escort from berth to URMA. If Draft>14m 2 escort from berth to URMA Remarks: 2 pilots.</p>

Berthing Guidelines

PAC endorsed on 7 July 1999

Location : TOW-BERTH

Ship under tow to/from berth

010 **Berthing** LOA: Max 214m
Draft: Max. 9.5m (min 10% UKC)
Time: 24 hrs.
Tugs: 3 (Thrusters not considered)

Remarks: No wedge in KC5E.

011 **Unberthing** LOA: Max 214m
Draft: Max. 9.5m (min 10% UKC)
Time: 24 hrs.
Tugs: 2. If D>8m 3
 (Thrusters not considered)

Remarks:

020 **Berthing** LOA: Max 320m
Draft: Max. 13.8m (min 10% UKC)
Time: D&N slack water
Tugs: 4 (thrusters not considered)
Remarks: 2 pilots.
 Sufficient F&A clearance.
 Subject to any one of the
 executive director' s decision.

021 **Unberthing** LOA: Max 320m
Draft: Max. 13.8m (min 10% UKC)
Time: D&N slack water
Tugs: 4 (thrusters not considered)
Remarks: 2 pilots.
 Sufficient F&A clearance.
 Subject to any one of the
 executive director' s decision.

Berthing Guidelines

Pending

Location : TOW-BERTH

Ship under tow to/from berth

010 **Berthing** LOA: Max 110m
Draft: Max. 6.0m (min 10% UKC)
Time: 24 hrs.
Tugs: 2 (Thrusters not considered)
Remarks:

011 **Unberthing** LOA: Max 110m
Draft: Max. 6.0m (min 10% UKC)
Time: 24 hrs.
Tugs: 2 (Thrusters not considered)
Remarks:

020 **Berthing** LOA: Max 214m
Draft: Max. 9.5m (min 10% UKC)
Time: 24 hrs.
Tugs: 3 (Thrusters not considered)

021 **Unberthing** LOA: Max 214m
Draft: Max. 9.5m (min 10% UKC)
Time: 24 hrs.
Tugs: 2. If D>8m 3
 (Thrusters not considered)

Remarks: No wedge in KC5E.**Remarks:**

030 **Berthing** LOA: Max 320m
Draft: Max. 13.8m (min 10% UKC)
Time: D&N slack water
Tugs: 4 (thrusters not considered)
Remarks: 2 pilots.
 Sufficient F&A clearance.
 Subject to any one of the
 executive director' s decision.

031 **Unberthing** LOA: Max 320m
Draft: Max. 13.8m (min 10% UKC)
Time: D&N slack water
Tugs: 4 (thrusters not considered)
Remarks: 2 pilots.
 Sufficient F&A clearance.
 Subject to any one of the
 executive director' s decision.