PILOTAGE ADVISORY COMMITTEE

Proposed Amendments to the Berthing Guidelines

Purpose

The purpose of this paper is to seek members' advices and comments on proposed amendments to the Berthing Guidelines (BGL).

Proposed Amendments

2. It was proposed to amend the BGL of some locations in chapter 12 with updated information as follow:-

a. Location TOW - Ship under tow (see Annex I)

To amend the maximum air draft of 53m in remark 3 to read "54.6m at any time, and 57m during the period of Specified Hours", bringing it in line with the height restriction for passage under the Tsing Ma bridge.

b. Location TOW-BERTH - Ship under tow to/from berth (*see Annex II*)

To add a general remark to indicate this BGL is applicable to ships under tow to/from anchorage/Government Mooring Buoys.

- c. Location URMPS/URMPA Transit Mawan Bulker & Tanker (*see Annex III*)
 - i. To replace "UR2 buoy" with "TSK buoy" as per renaming of the buoy; and
 - ii. To delete item 8 in the general remarks which is redundant as times of operation are specified in individual items of the BGL.

d. Locations URMPS-PC/URMA-PC & URMPS-PH/URMA-PH - Transit Mawan – Passenger ships (*see Annex IV*)

- i. To add new items 010 and 011 in these 2 locations for ships with a smaller LOA of Max 200m where no restriction on Mawan transit tidal window is required;
- ii. To renumber existing items accordingly; and
- iii. To delete item 5 in the general remarks which is redundant as times

of operation are specified in individual items of the BGL.

3. It was also proposed to add a BGL for a new location SCCA after Location RTT-5 for the newly established South Cheung Chau Anchorage with details as shown in *Annex V*. This BGL is modeled on Location SLA.

Presentation

4. This paper will be presented by Marine Manager/Pilotage.

Advice Sought

5. Advices and comments from members are sought for the endorsement of this proposal.

Marine Department May 2023

Location : TOW

Ship under tow

010	Towing	LOA: Max 183m
Draft:	Max 8.5m (m	in 10% UKC)
Time:	24 hrs	
Tugs:	2. If D>8m, 3	
	(Thrusters no	t considered)
Remarks:	See General I	Remarks

020	Towing	LOA: Max 214m
Draft:	Max 9.5m (mi	n 10% UKC)
Time:	See General R	emarks
Tugs:	3 (Thrusters no	ot considered)
Remarks:		

030	Towing	LOA: Max 290m
Draft:	Max 14m (mir	n 10% UKC)
Time:	See General Remarks	
Tugs:	4 (Thrusters not considered)	
Remarks:	2 pilots	

- 1. 2 pilots required if towing time exceed 5 hours.
- 2. **TOLO HARBOUR:** subject to suitable towing arrangement and weather condition.
- 3. Vessel or barge under tow **TRANSIT MAWAN**; (Max air draft 53m 54.6m at any time,
- and 57m during the period of Specified Hours)
 - a. Inform VTC well in advance.
 - b. Tow LOA>183m prior consultation/meeting with VTC is required.
 - c. 2 pilots required if LOA>168m.
 - d. For inbound ships under tow to Shenzhen ports via Mawan, the ocean tug and the tow shall be considered as one unit without the need for disconnection.
 - e. Subject to current condition @ Mawan:
 - i. LOA<230m: <u>RESTRICTED TRANSIT PERIOD</u> @ Mawan = Current Against >2.5 Knots / With>1.5 Knots.
 - ii. LOA>230m: <u>RESTRICTED TRANSIT PERIOD</u> @ Mawan = Current Against >1.5 Knots / With>0.5 Knots.
 - f. LOA \geq 198m or Draft \geq 8.5m or speed less than 5.0 knots, daylight transit only.
 - g. LOA>290m to be approved case by case or requires additional tug as deemed necessary.

<u>Annex II</u>

LOA: Max 110m

Location : **TOW-BERTH**

Ship under tow to/from berth

011

010	Berthing	LOA: Max 110m
Draft:	Max 6m (min	10% UKC)
Time:	24 hrs	
Tugs:	2 (Thrusters n	ot considered)
Remarks:		

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

Remarks: No wedge in KC5E

Draft:	Max 6m (min 10% UKC)
Time:	24 hrs
Tugs:	2 (Thrusters not considered)
Remarks:	

Unberthing

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

030	Berthing	LOA: Max 320m	031	Unberthing	LOA: Max 320m
Draft:	Max 13.8m (r	nin 10% UKC)	Draft:	Max 13.8m (m	in 10% UKC)
Time:	D&N slack w	ater	Time:	D&N slack wa	ter
Tugs:	4 (Thrusters n	ot considered)	Tugs:	4 (Thrusters no	ot considered)
Remarks:	2 pilots.		Remarks	2 pilots.	
	Sufficient F&	A clearance.		Sufficient F&A	A clearance.
	Subject to any	one of the executive		Subject to any	one of the executive
	director's dec	ision.		director's decis	sion.

General Remarks:

This BGL for TOW-BERTH is applicable to Ship under tow to/from anchorage or GMB.

Location : URMPS/URMA Transit Mawan – Bulker & Tanker (All vessels other than passenger & container ship)

010	N. bound	LOA: Max 183m
Draft:	Max 12m (min	15% UKC)
Time:	24 hrs.	
	D>10m, subject	ct to Mawan transit
	tidal window.	
Tugs:	1 escort @ Ma	wan if D>10m.
Remarks:		

020	N. bound LOA: Max 198m
Draft:	Max 12.5m (min 15% UKC)
Time:	Subject to Mawan transit tidal
	window.
Tugs:	1 escort @ Mawan for Mawan
	Transit.
	<u>To URMA</u> : +1 @ URMA if D>10m.

Remarks: Day 1 pilot, Night 2 pilots.

030	N. bound LOA: Max 230m
Draft:	Max 13m (min 15% UKC)
Time:	Subject to Mawan transit tidal
	window. D>12.5m day light transit
	only.
Tugs:	1 escort @ Mawan for Mawan
	Transit; for night transit 1 escort from
	Kellett buoy to UR 2 buoy TSK buoy
	if D> 9m.
	<u>To URMA</u> : +1 @ URMA if D>10m.

Remarks: 2 pilots

040	N. bound LOA: Max 255m
Draft:	Max 15m (min 15% UKC)
Time:	Day light.
	Subject to Mawan transit tidal
	window.
Tugs:	Tug minimum 3600 HP each.
	1 escort @ Mawan for Mawan
	Transit; from GI if D>10m.
	To URMA: 1 escort for Mawan
	Transit +1 @ URMA; 1 escort from
	GI through to URMA if D>10m.
Remarks:	2 pilots

011	S. bound	LOA: Max 183m
Draft:	Max 12m (min	15% UKC)
Time:	24 hrs.	
	D>10m, subject	t to Mawan transit
	tidal window.	
Tugs:	1 escort @ May	wan if D>10m.
Remarks :		

021	S. bound	LOA: Max 198m		
Draft:	Max 12.5m (m	nin 15% UKC)		
Time:	Subject to May	Subject to Mawan transit tidal		
	window.			
Tugs:	1 escort @ Ma	wan for Mawan		
	Transit.			
	From URMA:	+1 @ URMA if		
	D>10m.			
Remarks	: Day 1 pilot, N	ight 2 pilots.		

031	S. bound	LOA: Max 230m	
Draft:	Max 13m (min	15% UKC)	
Time:	Subject to Maw	an transit tidal	
	window. D>12.	5m day light transit	
	only.		
Tugs:	1 escort @ Mawan for Mawan Transit; for night transit 1 escort		
	from UR 2 buoy	FTSK buoy to	
	Kellett buoy if l	D> 9m.	
	From URMA: +	-1 @ URMA if	
	D>10m.		
Remarks	2 pilots.		

041	S. bound LOA: Max 255m
Draft:	Max 15m (min 15% UKC)
Time:	Day light.
	Subject to Mawan transit tidal
	window.
Tugs:	Tug minimum 3600 HP each.
	1 escort @ Mawan for Mawan
	Transit.
	From URMA: 1 escort Mawan
	Transit; from URMA if D>10m.

Remarks: 2 pilots

Location : URMPS/URMA Transit Mawan – Bulker & Tanker (All vessels other than passenger & container ship)

050	N. bound	LOA: Max 290m	051	S. bound	LOA: Max 290m
Draft:	Max 16.8m (m	in 15% UKC)	Draft:	Max 16.8m ((min 15% UKC)
Time:	Day light.		Time:	Day light.	
	Subject to Mav	van transit tidal		Subject to M	awan transit tidal
	window.			window.	
Tugs:	Tug minimum	3600 HP each.	Tugs:	Tug minimu	m 3600 HP each.
	1 escort from C	GI for Mawan Transit;		1 escort @ N	Iawan for Mawan
	+1 @ Mawan i	f D>14m.		Transit; 2 if	D>14m.
	<u>To URMA</u> : 1 e	escort from GI to		From URMA	A: 1 escort from URMA
	URMA; +1 fro	m Mawan to URMA if		for Mawan T	Transit; +1 @ Mawan if
	D>14m.			D>14m.	
Remarks	2 pilots		Remarks	2 pilots	

060	N. bound	LOA: Max 305m	061	S. bound	LOA: Max 305m
Draft:	Max 16.8m (1	min 15% UKC)	Draft:	Max 16.8m ((min 15% UKC)
Time:	Day light.		Time:	Day light.	
	Subject to Ma	awan transit tidal		Subject to M	lawan transit tidal
	window.			window.	
Tugs:	Tug minimun	n 4000hp each.	Tugs:	Tug minimu	m 4000hp each.
	1 escort from	GI for Mawan Transit;		1 escort @ N	Iawan for Mawan
	+1 @ Mawan	if D>14m.		Transit; 2 if	D>14m.
	<u>To URMA</u> : 1	escort from GI to		From URMA	A: 1 escort from URMA
	URMA; +1 fi	rom Mawan to URMA if		for Mawan 7	Fransit; +1 @ Mawan if
	D>14m.			D>14m.	
Remarks:	2 pilots		Remarks	2 pilots	

- 1. Thrusters are not considered as substitute for tug for transit.
- 2. <u>PILOT BOARDING TIME FOR MA WAN TRANSIT :</u> @URMPS, URMA, NC & WITHIN HARBOUR:
 - Draft exceeds 14m or harbour speed less than 11 knots Mawan transit time minus 1.5 hours;
 - Other ships Mawan transit time minus 1 hour.
- 3. Bulker or Tanker of LOA>280m are normally not permitted to lightening or anchor at URMA due to limited space of the anchorage.
- 4. In case of special circumstances and conditions, where a vessel is required to anchor at URMA, she shall obtain prior approval from VTC.
- 5. Unless otherwise specified, escort tug for Mawan transit is required for the waters between Kellett buoy and Ha Pang.
- 6. For LOA>230m≤290m or Draft >13m, escort tug is minimum 3600HP each or minimum 7200HP total (Tug 2600HP not accepted) if 2 tugs are required.
- 7. During the initial implementation of the trials for LOA Max 305m, provision of one more escort tug during Mawan transit is recommended.
- 8. Subject to Mawan transit tidal window.

Location : URMPS-PC/URMA-PC Transit Mawan – Passenger Ship (Conventional)

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

Remarks:

010020N. boundLOA: Max 230mDraft:Max 11.0m (min. 15% UKC)Time:Subject to Mawan transit tidal
window

Tugs: Remarks:

020 030	N. bound LOA: Max 270m		
Draft:	Max 11.0m (min. 15% UKC)		
Time:	Subject to Mawan transit tidal		
	window		
Tugs:	1 escort @ Mawan for Mawan		
	Transit.		
	<u>To URMA</u> : +1 @ URMA (tug @		
	URMA exempted for vessels with		
	thrusters).		
Remarks:	2 pilots		

030 040	N. bound LOA: Max 290m
Draft:	Max 11.0m (min. 15% UKC)
Time:	Subject to Mawan transit tidal
	window
Tugs:	1 escort from Kellett buoy for Mawan
	Transit.
	To URMA: +1 @ URMA (tug @
	URMA exempted for vessels with
	thrusters).
D	

Remarks: 2 pilots

040 050	N. bound LOA: Max 345m
Draft:	Max 11.0m (min. 15% UKC)
Time:	Subject to Mawan transit tidal
	window.
Tugs:	1 escort from Kellett buoy for Mawan
	Transit.
	<u>To URMA</u> : +1 @ URMA (tug @
	URMA exempted for vessels with
	thrusters).

011	S. bound LOA: Max 200m			
Draft:	Max 10.0m (min. 15% UKC)			
Time:	24 hrs			
Tugs:				
Remarks:				
011 021	S. bound LOA: Max 230m			
Draft:	Max 11.0m (min. 15% UKC)			
Time:	Subject to Mawan transit tidal			
1 1110.	window			
Tugs:				
Remarks:				
Kennar KS.				
021 031	S. bound LOA: Max 270m			
Draft:	Max 11.0m (min. 15% UKC)			
Time:	Subject to Mawan transit tidal			
I IIIC.	window			
Tugs:	1 escort @ Mawan for Mawan			
8	Transit.			
	From URMA: +1 @ URMA (tug @			
	URMA exempted for vessels with			
	thrusters).			
Remarks:	· · · · · · · · · · · · · · · · · · ·			
Kemai K5.	2 phots			
031 041	S. bound LOA: Max 290m			
Draft:	Max 11.0m (min. 15% UKC)			
Time:	Subject to Mawan transit tidal			
	window			
Tugs:	1 escort @ Mawan for Mawan			
1460.	Transit.			
	From URMA: +1 @ URMA (tug @			
	URMA exempted for vessels with			
	thrusters).			
Domonia	· · · · · · · · · · · · · · · · · · ·			
Remarks:	2 phots			
041 051	S. bound LOA: Max 345m			
Draft:	Max 11 0m (min 15% UKC)			

Draft:	Max 11.0m (min. 15% UKC)
Time:	Subject to Mawan transit tidal
	window.
Tugs:	1 escort @ Mawan for Mawan
U	Transit.
	From URMA: +1 @ URMA (tug @
	URMA exempted for vessels with
	thrusters).

Remarks: 2 pilots

Remarks: 2 pilots

- 1. Passenger ships, other than those defined as highly maneuverable in URMPS-PH/URMA-PH, are classified as conventional passenger ships.
- 2. Vessels of LOA >310m are not permitted to anchor within the area between Ma Wan West and URMPS.
- 3. 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.

- 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 at a location earlier by pilot/Master.
- b. South bound : from Ha Pang to 0.5 n.mile south of Tsing Ma Bridge except required at a location earlier by pilot/Master.
- 5. Subject to Mawan transit tidal window.

4.

Location : URMPS-PH/URMA-PH Transit Mawan – Passenger Ship(Highly Maneuverable)

010 Draft: Time: Tugs: Remarks:	N. bound LOA: Max 200m Max 10.0m (min. 15% UKC) 24 hrs	011 Draft: Time: Tugs: Remarks	S. bound LOA: Max 200m Max 10.0m (min. 15% UKC) 24 hrs
010020 Draft: Time:	N. bound LOA: Max 230m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal	<mark>011</mark> 021 Draft: Time:	S. bound LOA: Max 230m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal
Tugs: Remarks:	window	Tugs: Remarks	window :
020030 Draft: Time: Tugs: Remarks:	N. bound LOA: Max 270m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal window 1 escort @ Mawan for Mawan Transit. <u>To URMA</u> : +1 @ URMA (tug @ URMA exempted for vessels with thrusters). 2 pilots	021031 Draft: Time: Tugs: Remarks	 S. bound LOA: Max 270m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal window 1 escort @ Mawan for Mawan Transit. From URMA: +1 @ URMA (tug @ URMA exempted for vessels with thrusters). 2 pilots
030040 Draft: Time: Tugs: Remarks:	N. bound LOA: Max 290m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal window 1 escort from Kellett buoy for Mawan Transit. <u>To URMA</u> : +1 @ URMA (tug @ URMA exempted for vessels with thrusters). 2 pilots	031041 Draft: Time: Tugs: Remarks	S. bound LOA: Max 290m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal window 1 escort @ Mawan for Mawan Transit. From URMA: +1 @ URMA (tug @ URMA exempted for vessels with thrusters). 2 pilots
040050 Draft: Time: Tugs:	N. bound LOA: Max 345m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal window. 1 escort from Kellett buoy for Mawan Transit. <u>To URMA</u> : +1 @ URMA (tug @ URMA exempted for vessels with thrusters).	041051 Draft: Time: Tugs:	S. bound LOA: Max 345m Max 11.0m (min. 15% UKC) Subject to Mawan transit tidal window. 1 escort @ Mawan for Mawan Transit. <u>From URMA</u> : +1 @ URMA (tug @ URMA exempted for vessels with thrusters).

Remarks: 2 pilots

Remarks: 2 pilots

- Highly maneuverable passenger ships should meet the following requirements:

 a. Bow thrusters of total power ≥ 8000HP
 b. Equipped with azipods.
- 2. Vessels of LOA >310m are not permitted to anchor within the area between Ma Wan West and URMPS.
- 3. 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.

- 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 at a location earlier by pilot/Master.
 - b. South bound : from Ha Pang to 0.5 n.mile south of Tsing Ma Bridge except required at a location earlier by pilot/Master.
- 5. Subject to Mawan transit tidal window.

Location : SCCA

South Cheung Chau anchorage

010	To anchorage LOA: Max 400m	011	From anchorage LOA: Max 400m
Draft:	Max 16.0m (min 15% UKC)	Draft:	Max 16.0m (min 15% UKC)
Time:	24 hrs	Time:	24 hrs
Tugs:	1	Tugs:	1
Remarks:		Remarks	5:

General remarks:

The tug requirement is not applicable to vessel entering the anchorage directly from seaward without a pilot.