

PULAU BUSING - TANKSTORE PTE LTD (OTS)

JETTY	DEPTH A/S (m)	APPROACH DEPTH(m)	MAX LOA (m)	MAX DISPL. (tonnes)	REMARKS
OTS1	16.9	] 17.8 from] West] (Selat Sinki)	360	276,710	Shallower depths of 16.2m, 14.9m exist West of berth.
OTS2	17.0	] 16.6m from East] (Jong Fairway)	312	224,475	
OTS3	15.0	7.0 (130 South of berth)	102	17,455	
OTS4	12.5	7.0 (230 South of berth)	115	17,455	
OTS5	14.7	] 15.3 m from] West] (Selat Sinki)	280	292,940	See Note 6
OTS5E&W	14.7	] 15.3 m from] East] (Jong Fairway)	140	163,150	See Note 6
OTS6	-	-	-	-	(For waterboat Only)
OTS6W	7.0	6.0	120	12,000	
OTS6E	10.7	6.0	120	15,500	
OTS7	15.3	15.3m from west 15.3m from east	280	156,000	See Note 6
OTS8	17.1	16.1 m from west 15.3 m from east	280	156,000	See Note 6
OTS9	18.1	16.1 m from west 15.3 m from east	200	65,000	See Note 6 & 7
OTS10	16.2	16.1 m from west 15.3 m from east	185	61,500	See Note 6 Inner Berth (Daylight movements Only)

GENERAL INFORMATION

- 1 The controlling depth of the channel is 17.8m and is marked by 4 buoys i.e. Sinki, Pempang, Butir and Busong.
- 2 For the berthing of vessels with draft > 14.0m, 3 big tugs are recommended.
- 3 For the berthing vessels with LOA \leq 200m, one mooring boat will be provided and vessels with LOA > 200m, 2 mooring boats.
- 4 Movement of VLCC:
 - a) To stem the tidal stream of \leq 1.0k
 - b) 4 tugs to assist
 - c) Daylight hours only
- 5 Please note the existence of the Shell (Bukom/Pandan) pipeline located East of berth OTS2.
- 6 Please note the existence of pipelines located west of berth OTS9 and OTS10.
- 7 The minimum separation distance between vessels at berths OTS5, OTS7, OTS8 and OTS9 is not to be less than 50m at all times.
- 8 Walkie- talkie pilot/ terminal operating channel - 05

PILOTAGE GUIDELINES

1 BERTHING (DAY AND NIGHT)

a) Flood Tide

- i) OTS1, OTS2, OTS4, OTS5, OTS5E & OTS5W, OTS6E & OTS6W, OTS7, OTS8 & OTS9

From East

LOA \leq 260m	Draft \leq 14.0m	No restriction
	Draft > 14.0m	Tidal strength \leq 1.0k

LOA > 260m to \leq 280m	Draft \leq 12.0m	Tidal strength \leq 1.0k
	Draft > 12.0m	Tidal strength \leq 0.5k

From West

LOA \leq 260m	No restriction
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LOA > 260m to \leq 280m	Draft \leq 14.0m	No restriction
	Draft > 14.0m	Tidal strength \leq 1.0k

- ii) OTS3, OTS6E & OTS6W, OTS10
- Tidal strength \leq 1.0k

b) Ebb Tide

i) OTS1 to OTS9

From West

LOA \leq 260m

Draft \leq 14.0m No restriction
Draft $>$ 14.0m Tidal strength \leq 1.0k

LOA $>$ 260m to \leq 280m

Draft \leq 12.0m Tidal strength \leq 1.0k
Draft $>$ 12.0m Tidal strength $<$ 0.5k

From East

LOA \leq 260m

No restriction

LOA $>$ 260m to \leq 280m

Draft \leq 14.0m No restriction
Draft $>$ 14.0m Tidal strength \leq 1.0k

ii) OTS10

Tidal strength \leq 1.0k

2 **UNBERTHING (DAY AND NIGHT)**

a) Flood Tide (Port A/S)

i) OTS1 to OTS10

LOA \leq 260m

Draft \leq 12.0m No restriction
Draft $>$ 12.0m Tidal strength \leq 1.0k

LOA $>$ 260m to \leq 280m

Tidal strength \leq 0.5k

b) Flood Tide (Starboard A/S)

i) OTS1, OTS2, OTS4, OTS5, OTS6E & OTS6W, OTS5E & OTS5W, OTS7, OTS8 & OTS10

Out East

No restriction

Out West

LOA \leq 260m

Draft \leq 14.0m No restriction
Draft $>$ 14.0m Tidal strength \leq 1.0k

LOA $>$ 260m to \leq 280m

Draft \leq 12.0m Tidal strength \leq 1.0k
Draft $>$ 12.0m Tidal strength \leq 0.5k

ii) OTS3

No unberthing if OTS6 is occupied

c) Ebb Tide (Port A/S)

i) OTS1 to OTS10

Out West

No restriction

Out East

LOA \leq 260m

Draft \leq 14.0m No restriction

Draft $>$ 14.0m Tidal strength \leq 1.0k

LOA $>$ 260m

Draft \leq 12.0m Tidal strength \leq 1.0k

Draft $>$ 12.0m Tidal strength \leq 0.5k

d) Ebb Tide (Starboard A/S)

i) OTS1 to OTS10

LOA \leq 260m

Draft \leq 12.0m No restriction

Draft $>$ 12.0m Tidal strength \leq 1.0k

LOA $>$ 260m to \leq 280m

Tidal strength \leq 0.5k

TUG GUIDELINES

Tug recommendation for berthing and unberthing at berths 1, 2, 5, 5E&W, 7, 8 & 9.

LENGTH OVERALL OF VESSEL	NUMBER OF TUGS
Up to 70 metres LOA	Pilot to consult master on the use of tug and, if required, order from the tug company nominated by the agent
71 to 122 metres LOA	1 small tug
123 to 152 metres LOA	2 small tugs
153 to 180 metres LOA	2 medium tugs
181 to 220 metres LOA	2 big tugs
221 to 280 metres LOA	2 big tugs (Pilot may order additional tug)
More than 280 metres LOA	4 big tugs (Pilot may order additional tug)

Tug Recommendation for berthing and unberthing at berths 3, 4, 6, 6E&W & 10.

LENGTH OVERALL OF VESSEL	NUMBER OF TUGS
Up to 70 metres LOA	1 small tug
71 to 140 metres LOA	2 small tug
More than 140 metres LOA	2 medium tugs

Revised: 17 Feb 2015