

## JURONG ISLAND, VLCC JETTIES (OVL)

JETTY	DEPTH A/S (m)	APPROACH DEPTH (m)	MAX. LOA(m)	MIN. LOA(m)	MAX DISPL (tons)	REMARKS
OVL1	24.2	22.5	353	232	387,000	NA
OVL2	24.5	22.5	353	232	387,000	Shallower depths of 21.9m exist NE of OVL2

### GENERAL INFORMATION

- 1 These guidelines apply to VLCCs berthing at OVL1 and OVL2.
- 2 Tug requirements
  - (a) At least 4 big tugs should be deployed to assist VLCCs berthing and unberthing from OVL1 and 2. For VLCCs with a draft of 17m or more, all 4 tugs should have a bollard pull of at least 45 tons each.
  - (b) For vessels from 250m to 280m LOA, when swinging is required, 4 big tugs should be deployed during berthing and unberthing as follows:
    - (i) Draft 15 m to < 17m ~ at least one of the tugs at the bow and at the stern should have a bollard pull of not less than 45 tons.
    - (ii) Draft  $\geq$  17m ~ all 4 tugs should have a bollard pull of at least 45 tons each.
  - (c) All tugs deployed to assist a vessel with draft of 17m or more in berthing or unberthing are required to have a backup towline for emergency purposes.
- 3 Communications
  - (a) OVL1 : Pilot Walkie Talkie channel - P06  
: Operation room number: +65-6795 3090
  - (b) OVL2 : Pilot Walkie Talkie channel - P02  
: Operation room number: +65 6686 4076/9236 2530

## PILOTAGE GUIDELINES

### 1. Berthing (Day and Night)

#### a) Flood Tide

Tidal strength  $\leq 1.5$  knots - No restriction  
Tidal strength  $> 1.5$  knots to 2.0 knots - Draft restricted to  $< 17\text{m}$   
Tidal strength  $> 2.0$  knots - No berthing

#### b) Ebb Tide

Tidal strength  $\leq 1.0$  knot - No restriction  
Tidal strength  $> 1.0$  knot to 1.5 knots - Draft restricted to  $< 17\text{m}$   
Tidal strength  $> 1.5$  knots - No berthing

### 2. Unberthing (Day and Night)

#### Flood & Ebb Tides

Tidal strength  $\leq 1.5$  knots - No restriction  
Tidal strength  $> 1.5$  knots to 2.0 knots - Draft restricted to  $< 17\text{m}$   
Tidal strength  $> 2.0$  knots - No unberthing

## TUG GUIDELINES

TUG RECOMMENDATION FOR BERTHING AND UNBERTHING @:  
**OVL1 and OVL2.**

LENGTH OVERALL OF VESSEL	NUMBER OF TUGS
232 to 280 metres LOA	2 big tugs (Pilot may order additional tug)
$> 280$ metres LOA or GT $> 75,000$ with Draft $< 17$ metres	4 big tugs
$> 280$ metres LOA or GT $> 75,000$ with Draft $\geq 17$ metres	(i) 4 big tugs (ii) Each with a minimum bollard pull of at least 45 tons each (iii) All tugs deployed to assist a vessel with draft of 17m or more in berthing or unberthing are required to have a backup towline for emergency purposes

Revised: 8 Aug 2014