

TUG ASSIGNMENT GUIDELINES FOR VESSELS BERTHING UNDER OWN POWER OR REQUIRED TO BE TOWED IN PORT

LOA (m) OF VESSEL	NUMBER AND SIZE OF TUGS FOR VESSEL WITH POWER	NUMBER AND SIZE OF TUGS FOR VESSEL WITHOUT POWER	TOWING TUG		ESCORT TUG	
			PILOTED MOVE	PILOTAGE EXEMPTED MOVE	PILOTED MOVE	PILOTAGE EXEMPTED MOVE
Up to 60m	1S	2S (Refer to Note 5)	Public Licence Towage Service Provider (PLTSP) tug only.	Need not be a PLTSP tug or ST prefix tug (Intra-port movement excluded)	PLTSP tug only	PLTSP tug or ST prefix tug
61 to 122m	2S	2S + 1S (Refer to Note 6)	PLTSP tug only	Need not be a PLTSP tug or ST prefix tug (Intra-port movement excluded)	PLTSP tug only	PLTSP tug or ST prefix tug
123 to 200m	2M	3M	PLTSP tug only	PLTSP tug only	PLTSP tug only	PLTSP tug only
201 to 280m	2B	3B				
More than 280m or 75,000 GT and draft less than 17m	4B	5B				
More than 280m or 75,000 GT and draft 17m or more	4B (each with minimum bollard pull of at least 45 tonnes)	5B (each with minimum bollard pull of at least 45 tonnes)				
Cumbersome tow and vessels with unusual characteristics e.g. oil rigs, FPSO, semi-submersible, etc.	To be determined by Pilotage Service Provider in consultation with owner of vessel	To be determined by Pilotage Service Provider in consultation with owner of vessel				

Note 1: Classification of tugs

Size of Tugs	Bollard Pull
Small (S)	10 to 16 tonnes
Medium (M)	17 to 24 tonnes
Big (B)	25 to 45 tonnes
Extra Big (X-B)	Above 45 tonnes

Note 2: Tugs providing the services are required to comply with the following:

- I. Have steel hull and twin-screw propulsion.
- II. Have valid MPA Harbour Craft Licence.
- III. Tug masters have valid TTAC Certificate.
- IV. Tug's minimum power shall be 10 tonnes.

Note 3: Terminals in port may have tug assignment guidelines which differs from the one listed above. Please refer to pilotage guidelines for those Terminals.

Note 4: Only PLTSP or ST prefix tugs are allowed for marine projects.

Note 5: For Anchoring/Channeling/ Berthing/Unberthing – 2S (1 x towing tug and 1 x assist tug) must be assigned.

Note 6: For Anchoring/Channeling - 2S (1 x towing tug and 1 x assist tug) must be assigned for arrival/departure transit passage.

For Berthing/Unberthing - 3S (1 x towing tug and 2 x assist tug) must be assigned. Two of the tugs can be the same tug assigned for arrival/departure transit passage. The third tug should be assigned at the tug meet up point for berthing and until tug dismissal point during unberthing, in accordance with the pilotage guidelines for the berth.

TUG ASSIGNMENT GUIDELINES FOR VESSELS BERTHING/UNBERTHING UNDER OWN POWER OR REQUIRED TO BE TOWED IN BASINS, RIVERS AND PROJECT AREAS

LOA(m) of vessel	No. of tugs for vessel with power	No. of tugs for vessel without power	PILOTED MOVE	PILOTAGE EXEMPTED MOVE
Up to 60m	1S (2 x 370kW)	2S (3 x 370kW)	PLTSP tug with suitable size and draft (See Note 2)	ST prefix tug
61 to 100m	2S (4 x 370kW)	3S (4 x 370kW)	PLTSP tug with suitable size and draft (See Note 2)	ST prefix tug
101 to 122m	2S (4 x 370kW)	3S (4 x 370kW + 1S)	PLTSP tug with suitable size and draft (See Note 2)	ST prefix tug

Note 1: Tugs providing the services are required to comply with the following:

- I. Have valid MPA Harbour Craft Licence.
- II. Tug masters have valid MPA Harbour Craft Manning Licence.

Note 2: Vessels in basins, rivers and project areas where there are constraints in the depth of water and maneuvering room, may assigned tugs of less than 750kW. However, the power of such tugs shall not be less than 370kW and the number of such tugs used shall not be less than the number shown in the above table.