

## Tugboat for passenger vessel

1<sup>st</sup> April, 2009

Shimizu Pilot association

(Port of Shimizu)

A GRT or Kind of vessel	Tugboat		D Remarks
	B Tug's Power	C Number	
below 5,000 GT	above 3000hp	1	2-tugboats are required in case of "Head out" berthing.
above 5,000 GT	above 3000hp	2	* The vessel which is equipped efficient power of Bow Thruster could be deducted 1-tug, However, additional tug is to be arranged for the ship safe handling depend on ambient condition, such as wind speed/direction • power of the bow thruster and/or condition of ship's draft/wind pressure area etc.
above 40,000 GT	above 3000~3600 hp	2	
above 50,000 GT of Oil Tanker	above 3000~3600 hp	3	
Passenger ship • Container ship • Conventional/Cargo ship • Bulker • PCC and/or Oil Tanker			