Name of organization MARIN	Year of information updating 2017
Year established 1932	Year of joining the ITTC 1932
Address	Status in the ITTC
Haagsteeg 2	Advisory Council member
6708 PM Wageningen	
The Netherlands	
Contact details (phone, fax, e-mail)	Website
+31 317 493 911	www.marin.nl
info@marin.nl	
Type of facility	Year constructed/upgraded
Towing tank	1932 / 1951
Name of facility Deep Water Towing Tank	Location (if different from the above address)
	in/test section; for simulators: full mission, part task or desk top)
Length252 mWidth10.5 mWater depth5.5 mDrawings of facility	
1 Basin	
2 Towing carriage 3 Harbour	
Detailed characteristics (carriages, wave/cur	rent/wind generators, instrumentations, etc.)
Description of carriage	Manned, motor driven, four drive wheels, four pairs of horizontal guide wheels
Type of drive system and total power	Servo controlled, 4 * 80 kW
Maximum carriage speed	9 m/s
Other capabilities	-

Wave generator capability	-
Wave maker type:	-
Beach type and length	Circular beach with lattice structure, length 7 m
Other capabilities	-
Instrumentation	Dynamometers for - towing force - thrust and torque at propeller hub, - 6 component force balances, - 5 and 6 component balance for shaft forces and blade forces - 4 component for rudder and fins Thrusters with thrust and torque measurement at propeller hub Openwater dynamometers: - propeller - thruster - crp - shaft forces, blade forces Photo, video, underwater video, Wave height transducers for wave cuts, PIV, 5 hole pitot tube
Model size range	1.5 – 12 m
Model tracking techniques	-
Test performed	Resistance and propulsion test in calm water Openwater - propeller - ducted propeller - crp, - thruster - pods 3D wake surveys Flow observations by paint and tufts Measurements of hydrodynamic forces and moments on submerged bodies, foils, Unsteady propeller blade forces, shaft forces Longitudinal wave cut experiments (standard)
Published description (Publications o	
	Koning J.G., "Resistance, Propulsion and Steering of Ships", Stam-Holland,

http://www.marin.nl/web/Facilities-Tools/Basins/Deep-Water-Towing-Tank.htm